

# St.Joseph's College (Autonomous), Tiruchirappalli-620 002

## INTERNAL QUALITY ASSURANCE CELL

### SELF APPRAISAL REPORT

Nationally Accredited at A++ Grade (4<sup>th</sup> Cycle) by NAAC  
College with Potential for Excellence by UGC  
TIRICHRAPPALLI- 620 002

|                            |  |
|----------------------------|--|
| <b>Name</b>                | PULLEN GEORGE GEEGI  |
| <b>Qualification</b>       | M.Sc.,M.Phil.,PGDBI,SET.,Ph.D.                               |
| <b>Designation</b>         | ASSISTANT PROFESSOR  |
| <b>Date of Birth</b>       | 14-APRIL-1973  |
| <b>Date of Appointment</b> | 16-JUNE-2010   |
| <b>Department</b>          | BIOCHEMISTRY   |
| <b>Staff Code</b>          | 10TBI01  |
| <b>Blood Group</b>         | -O+VE  |
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| <b>PAN No.</b>             | -AQYPG0951A  |
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| <b>Aadhar No.</b>          | -692905501273  |

## I. Publications of Research Papers

### International

| Title / Journal Name/ Other Details  |                        |                                |                              |               |
|--|------------------------|--------------------------------|------------------------------|---------------|
| ANTICANCER ACTIVITY OF ETHANOLIC EXTRACT OF VITIS VINIFERA L. USING MCF7 CELL LINES<br>International journal of life Science and Pharma Research   |                        |                                |                              |               |
| <b>Volume No.</b> : SP-07;   | <b>PP.</b> : 56-61     | <b>ISSNO.</b> : 2250 ? 0480;   | <b>Impact Factor</b>         | : 7.578(SJIF) |
| <b>H Index No.</b> : 0   | <b>C Index No.</b> : 0 | <b>Year</b> : 2020             |                              |               |
| ANTIDIABETIC EFFECT OF AEGICERAS CORNICULATUM (L.) BLANCO IN EXPERIMENTALLY INDUCED WISTAR ALBINO RATS.<br>Adalya Journal  |                        |                                |                              |               |
| <b>Volume No.</b> : 8  | <b>PP.</b> : 573-585   | <b>ISSNO.</b> : 1301-2746      | <b>Impact Factor</b> : 5.3   |               |
| <b>H Index No.</b> : 0   | <b>C Index No.</b> : 0 | <b>Year</b> : 2019             |                              |               |
| In Silico Screening Of Phytochemicals Identified From Aegiceras corniculatum (L.) Blanco For Its Anti Diabetic Activity<br>Research Journal of Life Sciences, Bioinformatics, Pharmaceutical and Chemical Sciences |                        |                                |                              |               |
| <b>Volume No.</b> : 5(4)   | <b>PP.</b> : 81-91     | <b>ISSNO.</b> : 2454-6358      | <b>Impact Factor</b> : 0     |               |
| <b>H Index No.</b> : 0   | <b>C Index No.</b> : 0 | <b>Year</b> : 2019             |                              |               |
| PHYTOCHEMICAL SCREENING AND HYPOGLYCEMIC EFFECT OF LEAVES OF AEGICERAS CORNICULATUM (L.) BLANCO (BLACK MANGROVE) IN STREPTOZOTOCIN-INDUCED DIABETIC RATS<br>WORLD JOURNAL OF PHARMACY AND PHARMACEUTICAL SCIENCES  |                        |                                |                              |               |
| <b>Volume No.</b> : 7  | <b>PP.</b> : 1412-1427 | <b>ISSNO.</b> : 2278 ? 4357    | <b>Impact Factor</b> : 7.421 |               |
| <b>H Index No.</b> : 0   | <b>C Index No.</b> : 0 | <b>Year</b> : 2018             |                              |               |
| Physical and Clinical Changes Induced by Monosodium Glutamate in Swiss Albino Mice and its Counter-Action by the Water Extract of Withania Somnifera Root<br>Imperial Journal of Interdisciplinary Research (IJIR) |                        |                                |                              |               |
| <b>Volume No.</b> : 2, Issue-12.   | <b>PP.</b> : 1264-1270 | <b>ISSNO.</b> : 2454-1362,     | <b>Impact Factor</b>         | : 3.75        |
| <b>H Index No.</b> : 0   | <b>C Index No.</b> : 0 | <b>Year</b> : 2016             |                              |               |
| In Vitro Anticancer Activity of Ethanolic Extract of Euphorbia hirta (L.)<br>SCIENCE , TECHNOLOGY AND ARTS RESEARCH JOURNAL. J.  |                        |                                |                              |               |
| <b>Volume No.</b> : 3  | <b>PP.</b> : 8-13      | <b>ISSNO.</b> : ISSN-2305-3372 | <b>Impact Factor</b> : 1.473 |               |
| <b>H Index No.</b> : 0   | <b>C Index No.</b> : 0 | <b>Year</b> : 2014             |                              |               |
| Phytochemical and antimicrobial effect of Psidium guajava and Leucas aspera against dental caries pathogen<br>International journal of Advanced Research   |                        |                                |                              |               |

|   |                        |                                |                              |
|---|------------------------|--------------------------------|------------------------------|
| <b>Volume No. : 1</b>   | <b>PP. : 13-20</b>     | <b>ISSNO. : ISSN 2320-5407</b> | <b>Impact Factor : 5.336</b> |
| <b>H Index No. : -</b>  | <b>C Index No. : -</b> | <b>Year : 2013</b>             |                              |
| Invitro antibacterial activity of Aegiceras corniculatum and Bruguiera cyclindrica against isolated bacterial urinary tract infection |                        |                                |                              |
| International Journal of Pharmaceutical Research and Development,   |                        |                                |                              |
| <b>Volume No. : 3(11)</b>   | <b>PP. : 120- 125</b>  | <b>ISSNO. : ISSN 0974</b>      | <b>Impact Factor : 0</b>     |
| <b>H Index No. : 0</b>  | <b>C Index No. : 0</b> | <b>Year : 2012</b>             |                              |

## National

| <b>Title / Journal Name/ Other Details</b>  |
|---|
| Evaluation of the Anti-cancer Potential of Aloe vera and Termanaliachebula Herbal formulation against MCF-7 Breast Cancer Cell Line and Characterization of Silver Nanoparticles of the Herbal Formulation<br>Research Journal of Agricultural Sciences<br><b>Volume No. : 14</b> <b>PP. : 1112-1117</b> <b>ISSNO. : 0976-1675</b> <b>Impact Factor : 0</b><br><b>H Index No. : 0</b> <b>C Index No. : 0</b> <b>Year : 2023</b> |
| Antidiabetic and Antioxidant Activity of Leaves of Aegiceras corniculatum (L.) Blanco (Black Mangrove): An in vitro and in vivo Study<br>Research & Reviews: Journal of Herbal Science<br><b>Volume No. : 7</b> <b>PP. : 23-31</b> <b>ISSNO. : 2278-2257</b> <b>Impact Factor : 0</b><br><b>H Index No. : 0</b> <b>C Index No. : 0</b> <b>Year : 2018</b>   |
| Heptoprotective activity of Solanum trilobatum against paracetamol induced hepato damage in albino rats<br>International Journal of Biological Sciences<br><b>Volume No. : -</b> <b>PP. : null</b> <b>ISSNO. : null</b> <b>Impact Factor : null</b><br><b>H Index No. : -</b> <b>C Index No. : -</b> <b>Year : 2013</b>   |

## II. Papers Presented

| <b>Title of the Conference</b>  | <b>Title of the Paper</b>      | <b>Type</b> | <b>Level</b> | <b>Name of the Institution</b> | <b>Name of the Conference Proceedings</b> | <b>Date</b> |
|---|--------------------------------|-------------|--------------|--------------------------------|---|-------------|
| In vitro studies on the anticancer effect of Carica papaya against Hep G2 cell lines                      | Emerging trends in Biosciences | Seminar     | N            | St. Joseph's college Cuddlore  | Souvenir                                  | 2022-03-31  |
| Antilithiatic effect of ethanolic extract of Coldenia procumbens and hormonal changes in male albino rats | Emerging trends in Biosciences | Seminar     | N            | St. Joseph's college Cuddlore  | Souvenir                                  | 2022-03-29  |

|   |                                |         |   |                              |          |            |
|---|--------------------------------|---------|---|------------------------------|----------|------------|
| STUDY ON THE EFFECT OF SELECTED HERBAL BLENDS ON HORMONE LEVELS IN HYPERLIPIDEMIA IN FEMALE WISTAR RATS   | Emerging trends in Biosciences | Seminar | N | St.Joseph's college Cuddlore | Souvenir | 2022-03-29 |
| ANTICANCER ACTIVITY OF THE GREEN SYNTHESIZED SILVER NANOPARTICLES OF PERSEA AMERICANA SEED IN HUMAN BREAST CANCER CELL LINE MCF-7, PHYTOCHEMICAL SCREENING, AND FREE RADICALSCAVENGING ACTIVITY         | Emerging trends in Biosciences | Seminar | N | St.Joseph's college Cuddlore | Souvenir | 2022-03-29 |
| EFFECT OF ETHANOLIC EXTRACT OF PIPER NIGRUM LEAVES AGAINST MCF-7 HUMAN BREAST CANCER CELL LINES   | Emerging trends in Biosciences | Seminar | N | St.Joseph's college Cuddlore | Souvenir | 2022-03-29 |
| AMELIORATIVA EFFECT OF QUERCETIN, ELLAGIC ACID AND CURCUMIN ON THE SERUM ESTROGEN, PROGESTRONE, TESTOSTERONE LEVEL IN FEMALE WISTAR RATS INDUCED WITH SELECTED FOOD COLOURANTS (TARTRAZINE AND SUNSET Y | Emerging trends in Biosciences | Seminar | N | St.Joseph's college Cuddlore | Souvenir | 2022-03-29 |
| STUDY ON THE EFFECT OF SELECTED HERBAL BLENDS ON HORMONES LEVEL IN DIABETIC SUPERIMPOSED LIPIDEMIA IN MALE WISTAR ALBINO RATS   | Emerging trends in Biosciences | Seminar | N | St.Joseph's college Cuddlore | Souvenir | 2022-03-29 |
| EFFECT OF BRYOPHYLLUM PINNATUM ON ETHYLENE GLYCOL INDUCED UROLITHIASIS IN MALE WISTAR ALBINORATS  | Emerging trends in Biosciences | Seminar | N | St.Joseph's college Cuddlore | Souvenir | 2022-03-29 |
| IN VITRO STUDIES ON ANTICANCER ACTIVITY OF CAPSICUM ANNUUM L. USING A549 CELL LINES   | Emerging trends in Biosciences | Seminar | N | St.Joseph's college Cuddlore | Souvenir | 2022-03-29 |

### III. Publications of Books

| Book Title | Publisher | Edition | ISBN | Year |
|------------|-----------|---------|------|------|
| nil        | -nil      | 0       | 0    | 2010 |

### IV. Seminars (S) / Conferences (C) /Workshops (WS) attended and the source of funding (National (N) / International (IN)) with details of outstanding participants, if any

| Title   | Type | Organization Name                                   | Place             | Days | From Date  | To Date |
|---|------|---|-------------------|------|------------|---------|
| 3rd International Conference on Food Technology                       | I    | IICPT   | -THANJAVUR        | 2    | 2013-01-04 | null    |
| New Frontiers in Biochemistry   | S    | Holy cross college                                  | Trichy            | 1    | 2013-02-14 | null    |
| Recent Advances in Medicinal and Aromatic plants (NASYMP' 15)         | Y    | Department of Botany, St.Joseph`s College,          | Tiruchirappalli   | 1    | 2015-02-05 | null    |
| National conference on Recent Advancement in Biotechnology            | S    | Department of Biotechnology, Jamal Mohamed College, | Tiruchirappalli   | 1    | 2015-02-25 | null    |
| National Seminar on Futuristic Prospects of Biological Sciences       | S    | Department of Biochemistry, Holy Cross College      | Tiruchirappalli   | 1    | 2015-02-26 | null    |
| National Seminar on Whole grains for Healthy life                     | S    | IICPT   | -Thanjavur        | 1    | 2015-10-16 | null    |
| International scientist meet  | I    | Dept of biotechnology                               | -Trichy           | 1    | 2015-12-15 | null    |
| International Conference on Clinical research                         | I    | Srimathi Indira Gandhi College for Women            | -Trichy           | 1    | 2016-01-25 | null    |
| Science Academies Lecture Workshop on Bioprospecting and Bioresources | C    | Dept of Botany                                      | -Trichy           | 3    | 2016-02-10 | null    |
| International Seminar on Cardiovascular Research                      | I    | Dept of Biochemistry                                | -Trichy           | 1    | 2016-02-15 | null    |
| Green synthesis of Nanoparticles                                      | W    | Dept of Biochemistry and Dept of biotechnology      | -Tiruchirappall   | 1    | 2016-07-11 | null    |
| ONE DAY WORKSHOP  | W    | Dept of biotechnology                               | --Tiruchirappalli | 1    | 2016-      | null    |

|  |   |  |                  |   |            |      |
|--|---|--|------------------|---|------------|------|
| ON ELECTRON MICROSCOPY   |   | andDept of Biochemistry  |                  |   | 07-25      |      |
| Invitro culture techniques   | W | Dept of Biochemistry and Dept of biotechnology                           | -Tiruchirappall  | 1 | 2016-08-03 | null |
| Ambient air quality monitoring   | W | Dept of biotechnology and Dept of Biochemistry in association with TNPCB | -Tiruchirappall  | 1 | 2016-08-24 | null |
| Lecture Series on Health Sciences  | S | Dept of Biochemistry   | -Tiruchirappalli | 1 | 2016-09-28 | null |
| Science Academics ` Lecture Workshop on ` Progress and Prospects in Biosciences                                    | W | Dept of biotechnology  | -Tiruchirappall  | 2 | 2016-10-04 | null |
| International Seminar On Frontiers in Biological Sciences  | S | Dept of Biochemistry   | -Tiruchirappalli | 1 | 2016-12-16 | null |
| National Seminar on "global food security and the role of biotechnology in sustainable food systems and nutrition" | S | Dept of biotechnology  | -Tiruchirappalli | 1 | 2017-01-05 | null |
| National symposium on Medicinal and Aromatic plants (NASYMP' 17)   | Y | School of biological science   | -Tiruchirappalli | 1 | 2017-02-15 | null |
| INTERNATIONAL SCIENTIST MEET   | I | Dept of Biochemistry,SJC   | -Trichy          | 1 | 2017-05-18 | null |
| Biogenic nanoparticles   | W | Dept of Biochemistry,SJC   | Trichy           | 1 | 2017-07-12 | null |
| NEW VISTAS IN BIODIVERSITY AND BIORESOURCES  | W | Dept of Botany   | -Trichy          | 3 | 2017-08-02 | null |
| OPTICAL TECHNOLOGY   | W | Dept of Biochemistry,SJC   | -Trichy          | 1 | 2017-08-07 | null |
| INTERNATIONAL SEMINAR ON CAREER OPTIONS AND FOR SCENARIO IN LIFE SCIENCES(ISCOJLS-17)                              | S | Dept of Biochemistry and Dept of biotechnology                           | -TRICHY          | 1 | 2017-08-23 | null |
| PLANT TISSUE CULTURE   | W | Dept of Biochemistry,SJC   | -Trichy          | 1 | 2017-09-19 | null |
| IN-VITRO EVALUATION METHODS  | W | Dept of Biochemistry,SJC   | -Trichy          | 1 | 2017-11-29 | null |
| INTERNATIONAL  | I | Dept of  | -Trichy          | 1 | 2018-      | null |

|  |   |   |                    |   |            |            |
|--|---|---|--------------------|---|------------|------------|
| COLLOQUIA ON BIONANOMATERIALS AND BIONANOTECHNOLOGY  |   | Biochemistry,SJC  |                    |   | 02-08      |            |
| TWO DAY STATE LEVEL WORKSHOP ON "CHALLENGES AND OPPORTUNITIES IN BIOINFORMATICS"               | W | CAUVERY COLLEGE FOR WOMEN, TRICHY   | -Trichy            | 2 | 2018-02-15 | null       |
| New Vistas in Life Sciences  | I | Dept of biochemistry, Holy cross College  | -Trichy            | 1 | 2018-09-11 | null       |
| Dr. V. Balakrishnan Memorial CME Programme   | S | Dept of Biotechnology, SJC  | -Trichy            | 1 | 2019-02-05 | null       |
| Dr.V Balakrishnan Memorial CME programme   | S | Department of biotechnology,St.Joseph's College   | Trichirappalli     | 1 | 2020-01-07 | 2020-01-07 |
| International conference on Cancer Research  | I | Department of Biochemistry, Microbiology andBiotechnology, Dhanalakshmi Srinivasan college of Arts and Science for Women,autonomous | -Perambalur        | 1 | 2020-01-23 | 2020-01-23 |
| Molecular Basis of Cancer and Prevention   | C | Department of Life Science,School of Arts and Science,PRIST Deemed to be University   | -Vallam, Thanjavur | 2 | 2020-02-18 | 2020-02-19 |
| Webinar on Science communication b)Analysis of Scientific Publications for enhanced visibility | S | Mizorum University  | -TRICHY            | 1 | 2020-05-29 | 2020-05-29 |
| Webinar on ?The role of natural products in Drug discovery?                                    | S | Annai violet Arts and Science college   | -TRICHY            | 1 | 2020-06-04 | 2020-06-04 |
| Biodiversity   | I | Annamalai university, Faculty of Marine Sciences, Centre of Advanced Study in Marine Biology  | -TRICHY            | 1 | 2020-06-05 | 2020-06-05 |
| Webinar on ?Biodiesel from Marine Algae?   | S | PG & Research Department of Chemistry, V.O.Chidambaram  | -TRICHY            | 1 | 2020-06-05 | 2020-06-05 |

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|--|---|---|----------|----|------------|------------|
|  |   | College .Thoothukudi  |          |    |            |            |
| Impact of airborne fungi bacterial endotoxin exposure and respiratory infections   | I | Department of Zoology , M.S.SWakf Board College, Madurai                  | -TRICHY  | 1  | 2020-06-15 | 2020-06-15 |
| Webinar on : Precision medicine ? A new paradigm ?   | I | Department of Biochemistry, Holy cross college,Trichy                     | -TRICHY  | 1  | 2020-06-17 | 2020-06-17 |
| DIET AND IMMUNITY DURING COVID - 19? E Quiz  | C | Department of Biochemistry, Shrimatiindira Gandhi college, Trichy         | -TRICHY  | 1  | 2020-07-06 | 2020-07-07 |
| Webinar on ?aMEDICAL BACTERIOLOGY (Phase II)?  | R | Department of Microbiology, Sacred Heart college (autonomous), Tirupattur | -TRICHY  | 30 | 2020-07-13 | 2020-08-13 |
| Sir Alexander Fleming Birthday Quiz  | I | Department of Microbiology, Sacred Heart college (autonomous), Tirupattur | -TRICHY  | 1  | 2020-08-06 | 2020-08-06 |
| International Webinar on INNOVATIVE PEDAGOGY OF LABORATORY COURSES IN ANIMAL BIOLOGY   | I | Department of biochemistry,St.Joseph`s college, trichy                    | -TRICHY  | 1  | 2020-08-12 | 2020-08-12 |
| NATIONAL VIRTUAL SEMINAR ON New era in in-silico biology and DNA polymorphism in health and diseases                         | S | Department of biochemistry,St.Joseph`s college, trichy                    | -TRICHY  | 1  | 2021-03-13 | 2021-03-13 |
| FDP on Research Proposal to Patenting - A Road Map   | C | SRIMAD ANDAVAN ARTS AND SCIENCE COLLEGE, Srirangam, Trichy-05             | -TRICHY  | 3  | 2021-08-25 | 2021-08-27 |
| ~Trends in Bio ?Entrepreneurship   | S | Department of biochemistry, American college ,Madurai                     | -Madurai | 1  | 2021-09-01 | 2021-09-01 |
| Marine bioprospecting and its role in challengable diseases-21 (MBC-D21)-RUSA sponsored Two day National Virtual conferencen | C | Department o f Marine Science, Bharathidasan University                   | -TRICHY  | 2  | 2021-10-11 | 2021-10-12 |
| Journeying through   | S | Department of   | -TRICHY  | 2  | 2021-      | 2021       |



|   |   |  |                   |    |            |            |
|---|---|--|-------------------|----|------------|------------|
| Intellectual Property Protection and Bio-Entrepreneurship   |   | Biotechnology , St.joseph"s College trichy   |                   |    | 10-20      | 10-21      |
| INTERNATIONAL FACULTY DEVELOPMENT PROGRAM (FDP)-cum-WORKSHOP, CREATING AND FLOATING MOOCS ON NPTEL-SWAYAM, UDEMY AND COURSERA PLATFORMS | W | research India foundation (rif), Amaravati-Bhubaneswar-Chennai,India.                | Bhubaneswar-India | 1  | 2022-02-27 | 2022-02-27 |
| Faculty Development Programme on Research Innovations in Biological Sciences and Physical sciences.                                     | O | Department of Zoology, Microbiology and Physics, Syed AmmaLArts and Science College, | Ramanathapuram    | 21 | 2022-03-23 | 2022-04-12 |
| National Seminar on Emerging trends in Biosciences  | S | Department of biochemistry, St. Joseph`s college, Cuddalore                          | Cuddalore         | 1  | 2022-03-29 | 2022-03-29 |

### V. Resource Person: (Special Lectures / Workshops / Seminars / Association Activities/ Alumni Meeting)

| Type of Programme                    | Title  | Beneficiaries                                      | Days | Date       |
|--------------------------------------|--|--|------|------------|
| One Day Regional Workshop            | HISTOPATHOLOGICAL TECHNIQUES (Hi-TECH-25)            | Students from various college of Tamil nadu        | 1    | 2025-02-14 |
| One Day Regional Workshop            | HISTOPATHOLOGICAL TECHNIQUES (Hi-TECH-24)            | Students from various college of Tamil nadu        | 1    | 2024-02-27 |
| Two Day Regional Workshop            | Histopathology-2022                                  | Students and staffs of various colleges in tamilna | 2    | 2022-03-30 |
| Regional Workshop                    | Regional Workshop on Histopathological Techniques    | Students of UG and PG Depts of Life science        | 1    | 2020-02-05 |
| Science Academies Refresher Course   | Known to Unknown Techniques in Biology               | Staffs and research Scholars of various colleges   | 1    | 2018-11-07 |
| INSPIRE INTERNSHIP SCIENCE CAMP 2018 | Haematology  | School students                                    | 1    | 2018-08-09 |
| Refresher course                     | Bioprospection of Bioresources: Land to lab approach | College teachers of all over India                 | 1    | 2018-01-09 |

|                            |  |   |    |            |
|----------------------------|--|---|----|------------|
| INTERNSHIP PROGRAMME       | BIOCHEMICAL TECHNIQUES                   | LIFE SCIENCE STUDENTS FROM SURROUNDING COLLEGES | 5  | 2017-05-15 |
| Refresher course           | Experimental biology :Orthodox to modern | College teachers of all over India              | 13 | 2016-11-07 |
| National                   | National Seminar on Clinical Research    | UG, PG & Research Scholars                      | 1  | 2015-01-21 |
| Customized workshop series | Electrophoresis Technique                | Holy Cross College, Teppakulam, Trichy.         | 1  | 2014-12-09 |
| Customized workshop series | Histopathology                           | Research Scholars of Annamalai University       | 1  | 2014-11-28 |
| State level Workshop       | Histopathological Techniques             | UG & PG students                                | 1  | 2014-09-29 |
| WORKSHOP                   | HISTOPATHOLOGICAL TECHNIQUES             | Other college students from life science dept   | 1  | 2012-09-28 |

## VII. Areas of consultancy and income generated

| Organization Name                          | Consultation Type                                 | Persons Involved | Date       | Revenue | Days |
|--|---|------------------|------------|---------|------|
| -PHYSICS DEPT OF SJC,TRICHY                | -ESTIMATIONS OF PROTEINS , CARBOHYDRATES & LIPIDS | 1                | 2018-02-26 | 1800    | 1    |
| JJ COLLEGE OF ARTS AND SCIENCE, PUDUKOTTAI | HISTOPATHOLOGICAL SAMPLES                         | 1                | 2021-02-13 | 600     | 3    |
| Stella Mary`s college, Chennai             | HISTOPATHOLOGY                                    | 1                | 2022-02-11 | 800     | 2    |

### c. Awards (A) / Recognitions (R) received at National (N) / International (IN) level

| Award Name | Organization Name | Date       |
|------------|-------------------|------------|
| nil        | nil               | 2010-01-01 |
| nil        | nil               | 2010-01-01 |

## IX.Academic Member

| BodyName | Position | Period |
|----------|----------|--------|
|----------|----------|--------|

|   |        |           |
|---|--------|-----------|
| IAEC(Institutional Animal Ethics Committee) | Member | 2017-2022 |
| IAEC(Institutional Animal Ethics Committee) | Member | 2017-2022 |
| IAEC(Institutional Animal Ethics Committee) | Member | 2017-2022 |

### **X.E-Content**

| <b>Year</b> | <b>PPT</b> | <b>Video</b> | <b>PDF</b> |
|-------------|------------|--------------|------------|
| 2022        | 5          |              |            |

### **XI.JOSTEL E-Content**

| <b>Nature of the Course</b> | <b>Title of the course</b> | <b>Duration of e-content</b> |
|-----------------------------|----------------------------|------------------------------|
| Self Paced                  | Advance Nutrition          | 01.20                        |

### **XII.Patent**

| <b>Patent No.</b> | <b>Name of the Patent</b>                    | <b>Patent Type</b> | <b>Patent Level</b> | <b>Patent Date</b> |
|-------------------|--|--------------------|---------------------|--------------------|
| 6324846           | An IOT & AI based Pneumonia Detection Device | Granted            | F                   | 2023-11-18         |