

# Lady Doak College, Madurai.

## External Academic Audit

2019-2020

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### Details of External Academic Audit Panel members

| Date       | Department       | Internal Observer                                                                                                          | Academic Expert                                                                                                                              | Industrial Expert                                                                                                                                                                |
|------------|------------------|----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 21.08.2019 | Computer Science | Dr. Nimma Elizabeth,<br>Dean of academic Affairs (Sciences) & Associate Professor of Physics, Lady Doak College, Madurai.  | Mr. Jerald Inico,<br>Associate Professor, Department of Computer Science, Loyola College, Chennai – 600034.                                  | Mr. Antony Raj<br>Technical Architect, Wipro Technologies, Bangalore.                                                                                                            |
| 26.08.2019 | Tamil            | Dr. Hepzibah Joseph,<br>Associate Professor of History, Lady Doak College, Madurai.                                        | Dr. Amirtha Lenin,<br>Assistant Professor, Department of Tamil, Loyola College, Chennai -34                                                  | Mr. B. Thirumalai<br>Editor, Namadhu Manvasam<br>57, 3rd Street, Vasantha Nagar, Madurai – 3.                                                                                    |
|            | Maths            | Dr. Priyatharsini Rajendran,<br>IQAC Coordinator (Sciences), & Associate Professor of Zoology, Lady Doak College, Madurai. | Dr. A. Joseph Kennedy,<br>Assistant Professor, Department of Mathematics, Ramanujan School of Mathematical Sciences, Pondicherry University. | Dr. Sakthivel Sivam,<br>Senior Manager Statistics, Glaxo Smith Kline, Asia Pvt Limited, Prestige Trade Tower, Level4,5 & 6,#46,Palace Road, Sampangiram Nagar, Bangalore-560001. |
|            | Physics          | Dr. S. Srisudha,<br>Associate Professor of Botany, Lady Doak College, Madurai.                                             | Dr. J. Merline Shyla,<br>Dean of Sciences Department of Physics, ENTeC (LIFE) Loyola College, Chennai.                                       | Mr. Ilango,<br>Consun Energy Solutions P Ltd, NO.354, 12-A Cross, Indiranagar,1 <sup>st</sup> Stage, Bangalore.                                                                  |
|            | Zoology          | Dr. V. Sridevi,<br>Associate Professor of Chemistry, Lady                                                                  | Dr. Ravichandra Reddy<br>Rtd. Professor of Fishery, Department of Zoology, Bangalore University.                                             | Dr.A.Vannaiarajan,<br>Scientist, Aravind Medical Research Foundation, Madurai                                                                                                    |

| Date       | Department                 | Internal Observer                                                                                                                     | Academic Expert                                                                                                                                                                                                               | Industrial Expert                                                                                       |
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| 30.08.2019 |                            | Doak College, Madurai.                                                                                                                | Former Acting Director of NAAC.                                                                                                                                                                                               |                                                                                                         |
|            | BBA                        | Dr. Helen Mary Jacqueline,<br><br>Dean of academic Affairs (Humanities) & Associate Professor of Physics, Lady Doak College, Madurai. | Dr.G.Raju, M.COM., M.B.A., L.L.B., Ph.d Professor, Head & Dean Department of Commerce, School of Business Management & Legal Studies, University of Kerela, Kariavattam, University (po) Thiruvananthapuram. Kerala – 695581. | Mr. Promod Joseph, Director Perpetua IT Services Pvt. Ltd., RH 65, Palami Enclave, Madurai -14.         |
| 03.09.2019 | History                    | Dr. A. Kavitharani, Associate Professor of Tamil, Lady Doak College, Madurai.                                                         | Dr. S. Rajavelu, Associate Professor and Syndicate Member, Tamil university, Tanjore.                                                                                                                                         | Dr. V. Vedachalam, Senior Epigraphist (Retd), Tamilnadu Archaeology Department.                         |
| 04.09.2019 | Hindi                      | Dr. Sugantha Ramamoorthy, Associate Professor of Tamil, Lady Doak College, Madurai.                                                   | Dr. Shaik Kareemullah Associate Professor & Head, Department of Hindi, Jamal Mohamed College, Trichy-20.                                                                                                                      | Dr.Surya Bali Prasad Chief Officer, Central Bank of India (official language) Regional Office, Madurai. |
| 05.09.2019 | Commerce (Aided, B&I & CA) | Dr. S. Mercy Packiam, Associate Professor of History, Lady Doak College, Madurai.                                                     | Mrs. Kavitha Jayakumar, Department of Commerce , Chirst University, Bangaluru.                                                                                                                                                | Mr. S. Gopal, CEO, iGrandee Software Technology Pvt. Ltd.,                                              |
|            | Social Science             | Dr. R. Beulah Jeyashree, Associate Professor of English, Lady Doak College, Madurai.                                                  | Dr. Marutha Kutti, Assistant Professor, Department of Sociology, Manonmaniyam Sundaranar University, Thirunelveli.                                                                                                            | Dr. S. Sabhesan, Psychiatrist, Psychiatrist Christian Mission Hospital, South Masi street, Madurai.     |
|            | Economics                  | Dr. Rosy Godwin, Associate Professor of Commerce, Lady Doak College, Madurai.                                                         | Dr. S. Pushparaj Associate Professor & Head, Department of Econometrics, Madurai Kamaraj University,                                                                                                                          | A.K.B. Nawas Babu, Proprietor, S.A. Knitwears Pvt. Ltd., No.194, LIG Colony Main Road, K.K. Nagar,      |

| Date       | Department         | Internal Observer                                                                                                                         | Academic Expert                                                                                                                                                               | Industrial Expert                                                                                                                                                                |
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| 06.09.2019 |                    |                                                                                                                                           | Madurai.                                                                                                                                                                      | Madurai-625020.                                                                                                                                                                  |
|            | Chemistry          | Dr. Carmel Richard,<br>Associate Professor of Mathematics,<br>Lady Doak College, Madurai.                                                 | Dr. C.R. Ramanathan<br>Associate Professor,<br>Department of Chemistry, School of Physical, Chemical and Applied Science,<br>Pondicherry University,<br>Puducherry – 605 014. | Dr. Priya Rao<br>Director- R and D,<br>Pelican Biotech and Chemical Labs Pvt Ltd<br>Cochin Area.                                                                                 |
|            | Fashion Designing  | Dr. Sarah Sathyavathi,<br>Head & Associate Professor of Zoology, Lady Doak College, Madurai.                                              | Dr. R. Latha,<br>Associate Professor,<br>Department of Home Science with Food Biotechnology,<br>Fathima College,<br>Madurai-625018.                                           | Mr. M. Elango,<br>Managing Director,<br>Penguin Apparels (P) Ltd.<br>R.S.No.188/4A & 189/1A.,<br>Thattam Patti Village,<br>Vadipatti, Madurai-625218.                            |
| 09.09.2019 | English            | Dr. Mumtaj Begum,<br>Controller of Examinations,<br>Lady Doak College, Madurai.                                                           | Dr. Catherin Edward,<br>Associate Professor of English,<br>Department of English,<br>Holy Cross College,<br>Trichy -620 002                                                   | Mrs. Lydia Priyadharsini,<br>Manager Advt and Sales (Madurai & Trichy Head),<br>Vikatan Media Services,<br>Rh-15, Meenakshi Avenue,<br>Kalai Nagar, Annaiyur – Po,<br>Madurai-17 |
|            | Botany             | Ms. N. Jayachandra,<br>Associate Professor of Computer Science, Lady Doak College, Madurai.                                               | Dr. M.M. Sudheer Mohammed,<br>Associate Professor,<br>Dept. of Botany,<br>Government Art College (Autonomous),<br>Coimbatore – 641 018.                                       | Dr. J. Jeyavenkatesh,<br>Associate Professor,<br>Kokila SiddhaHospital & Research Centre,<br>27, Jaihindpuram 1st Street, Behind<br>Tamilnadu Polytechnic,<br>Madurai.           |
|            | Physical Education | Dr. R. Jeyakodeeswari,<br>IQAC Coordinator (Humanities), & Associate Professor of Business Administration,<br>Lady Doak College, Madurai. | Dr. K. Chandrasekaran,<br>Prof & Head<br>Department of Physical Education,<br>Madurai Kamaraj University,<br>Madurai -625021.                                                 | Mr. A. Murugan ,<br>SDAT Hockey Coach,<br>Sport Development Authority of Tamilnadu, MGR Stadium,<br>Madurai.                                                                     |

| <b>Date</b> | <b>Department</b>                 | <b>Internal Observer</b>                                                                            | <b>Academic Expert</b>                                                                                                                      | <b>Industrial Expert</b>                                                                                                                                     |
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| 13.09.2019  | French                            | Dr. S. Vijayarani,<br>Associate<br>Professor of<br>English, Lady<br>Doak College,<br>Madurai.       | Dr. Sharmila Acharif<br>Assistant Professor,<br>Department of French,<br>School of Humanities,<br>Pondicherry University,<br>Puducherry-14. | Mr. M Milton Powers,<br>French and German<br>Language Expert<br>(Trainer, Translator,<br>Interpreter),<br>No. 221, L.I.G, Anna<br>Nagar,<br>Madurai-625 020. |
|             | Biotechnology                     | Dr. S.K. Suja,<br>Associate<br>Professor of<br>Chemistry, Lady<br>Doak College,<br>Madurai.         | Dr. Sekar,<br>Professor,<br>Department of<br>Biotechnology ,<br>Bharathidasan<br>University,<br>Tiruchirappalli – 620<br>024                | Dr. Packiyalakshmi,<br>Scientist,<br>Rasi Seeds (P) Ltd.,<br>174, Sathyamurthy<br>Road, Ramnagar,<br>Coimbatore-641009.                                      |
| 23.09.2019  | Commerce<br>(PA, Honours<br>& CS) | Dr. Geetha<br>Kanagaraj,<br>Associate<br>Professor of<br>English, Lady<br>Doak College,<br>Madurai. | Dr. C. Samuel Joseph,<br>Professor,<br>Karunya school of<br>Management,<br>Karunya Nagar,<br>Coimbatore-641 114.                            | Mr. P.V. Raja<br>Rajeswaran,<br>Chartered Accountant,<br>193, Palace Road,<br>Madurai 625 001.                                                               |

# External Academic Audit (2019-2020)

**Following are the Commendations and Recommendations given by the External Experts**

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**Department: Tamil**

**Date of Audit: 26.08.2019**

Academic Expert: Dr. Amirtha Lenin

Industrial Expert: Mr. B. Thirumalai

| Key Aspects                                           | Commendations                                                                                                                                                                                       | Specific Recommendations                                                                                                                                                                                                                                  |
|-------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Criterion I: Curricular Aspects</b>                |                                                                                                                                                                                                     |                                                                                                                                                                                                                                                           |
| 1.1 Curriculum Design and Development                 | நன்று                                                                                                                                                                                               | முதுகலை பாடப்பிரிவில் தாள்கள் தொகுப்பு நிலையில் பொதுமையாக்கப்படவேண்டும்.                                                                                                                                                                                  |
| 1.2 Curriculum Enrichment                             | பாராட்டுதலுக்குரிய பாடத்திட்டம்                                                                                                                                                                     |                                                                                                                                                                                                                                                           |
| 1.3 Feedback System                                   | <ul style="list-style-type: none"><li>பாராட்டுக்கள்</li><li>மாணவர் நலன்சார்ந்த முன்னெடுப்புகள்</li></ul> பாராட்டுதலுக்கரியவை                                                                        | மிக்க நன்று                                                                                                                                                                                                                                               |
| <b>Criterion II: Teaching—Learning and Evaluation</b> |                                                                                                                                                                                                     |                                                                                                                                                                                                                                                           |
| 2.1 Catering to Student Diversity                     | மரபுசார் கலைகளையும் மாணவிகளையும் வெளிப்படுத்திட தொடர் வாய்ப்புகள் வழங்கிட வேண்டும்.                                                                                                                 | Skill Development (PARAI) சிறந்த பாராட்டுதலுக்குரிய முயற்சி. ஆதனைப் பல்கலை அனுமதியுடன் கூடிய பட்டயப்படிப்பாக வழங்கலாம் (ஓராண்டு கால அளவில்)                                                                                                               |
| 2.2 Teaching-Learning Process                         | <ul style="list-style-type: none"><li>Google வகுப்பறை முறை. சிறந்த முன்மாதிரியான முயற்சி</li><li>Learning Environment -மிக்க நன்று</li><li>Feedback on the evaluation of Teachers - நன்று</li></ul> | <ul style="list-style-type: none"><li>தட்டச்சுப் பயிற்சி, ஆய்வேடு தயாரித்தல், தனித்திறன் வாய்ந்ததாக உள்ளது</li><li>மாணவர்களின் வெளிப்பாட்டுத் திறன் மகிழ்ச்சியளிப்பனவாக உள்ளன</li><li>வெளிப்படையான மதிப்பெண் வழங்கும் முறை பாராட்டுதலுக்குரியது</li></ul> |
| 2.3 Teacher Quality                                   | துறைகள்/ தொழில்கள் கூட்டுறவு மேம்படுத்தப்பட வேண்டும்.                                                                                                                                               | -                                                                                                                                                                                                                                                         |

| Key Aspects                                                                              | Commendations                                                                                                                                                                                                                                                                                                                                               | Specific Recommendations                                                                                                                                                                                                        |
|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2.4 Evaluation Process and Reforms                                                       | <ul style="list-style-type: none"> <li>• வினாத்தாள் அமைப்பில் கூடுதல் வினாக்கள் சேர்க்கப்பட வேண்டும்</li> <li>• Internal/External Assessment Processes பாராட்டுக்கள்</li> <li>• Transparency பாராட்டுக்கள்</li> </ul>                                                                                                                                       |                                                                                                                                                                                                                                 |
| 2.5 Student Performance and Learning Outcomes                                            | தேர்ச்சி விகிதத்தில் அதிக கவனம் செலுத்திட வேண்டும்.                                                                                                                                                                                                                                                                                                         | மாணவியர் உரையாடலில் அவர்களின் ஆற்றலை/தன்னம்பிக்கை உணர்வை வெளிப்படுத்தியது.                                                                                                                                                      |
| <b>Criterion III: Research, Consultancy and Extension</b>                                |                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                 |
| 3.1 Enhancing the research qualities                                                     | <ul style="list-style-type: none"> <li>• மொழித்துறைக்கான தனி கணினிமயமான ஆய்வுக்கூடம் மற்றும் ஆய்வுமையத்திற்குத் தனிநூலகம் தேவை</li> <li>• The Department has established specific research Units/ centers by funding agencies / affiliating University/other University-கூடுதல் கவனமும் முயற்சியும் தேவை</li> <li>• தரமான ஆய்வுகள் பாராட்டுக்கள்</li> </ul> | <ul style="list-style-type: none"> <li>• மொழி ஆய்வுக்கூடம் கட்டாயம் தேவை. மாணவர்களின் திறன் போற்றத் தகுந்தனவாய் உள்ளன</li> <li>• ஆய்வு தரத்தைத் தொடர்ந்து கடைபிடிப்பது அறிவு தளத்தில் பெரும் மதிப்பளிப்பனவாய் உள்ளது</li> </ul> |
| 3.2 Resource Mobilization for Research                                                   | குறுகிய நேரகால ஆய்வுத்திட்டங்களில் முனைப்பும் ஊக்குவிப்பும் தேவை.                                                                                                                                                                                                                                                                                           | ஆய்வுத்திட்டம் தயாரித்தலுக்கான பயிற்சி தேவை.                                                                                                                                                                                    |
| 3.3 Research Publications, Awards and Patents                                            | <ul style="list-style-type: none"> <li>• Faculty Member Involvement நன்று</li> <li>• Inter Departmental/ Disciplinary ஊக்குவிக்கப்பட வேண்டும்</li> <li>• ஆய்வுகள் தரம் மிக்கவை</li> </ul>                                                                                                                                                                   | -                                                                                                                                                                                                                               |
| 3.4 Consultancy                                                                          | தொழில்துறை நிபுணர்களுடன் உறவை வலுப்படுத்த நடவடிக்கை அவசியம்.                                                                                                                                                                                                                                                                                                | -                                                                                                                                                                                                                               |
| 3.5 Institutional Social Responsibility<br>(Service Learning / Life Frontier Engagement) | <ul style="list-style-type: none"> <li>• முதுகலை மாணவர்களுக்கானச் சிறப்புத் தொகுப்பு நிதி உருவாக்கப்படல் வேண்டும் கல்லூரி நிர்வாக தமிழ்த்துறை மாணவர்களுக்கான கல்லூரி கட்டணத்தில் சலுகை காட்டி மாணவர்களை ஊக்குத்திட வேண்டும்</li> </ul>                                                                                                                      | தமிழ்த்துறையில் பயிலுவோர் சமூகப் பொருளாதார ரீதியில் பின்தங்கியவர்கள் என்ற வகையில் சமூகநீதி கண்ணோட்டத்தில் கட்டணங்களில் சலுகை அளிக்க வேண்டும்.                                                                                   |

| Key Aspects                                                | Commendations                                                                                                                                                                                                                      | Specific Recommendations                                                                                                                                  |
|------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                            | <ul style="list-style-type: none"> <li>வாழ்க்கைசார் கல்வி மிகுந்த பயனளிப்பனவாய் உள்ளன</li> </ul>                                                                                                                                   |                                                                                                                                                           |
| 3.6 Collaborations and Networking                          | <ul style="list-style-type: none"> <li>துறைகள் கூட்டுறவு வலுப்படுத்தி கூடுதல் முயற்சிகள் தேவை</li> <li>ஒத்திசைவான ஆய்வு/தொழில்கள் அமைப்புகளுடன் புரிந்துணர்வு ஒப்பந்தங்கள் தேவை</li> </ul>                                         | -                                                                                                                                                         |
| <b>Criterion IV: Infrastructure and Learning Resources</b> |                                                                                                                                                                                                                                    |                                                                                                                                                           |
| 4.1 Laboratory & Physical Facilities                       | <ul style="list-style-type: none"> <li>தனி நூலகம்/ கூடுதல் கணினி வசதி/மொழி ஆய்வுக்கூடம் கட்டாயம் தேவை</li> <li>கூடுதல் வசதிகள் தேவை</li> </ul>                                                                                     | சுவடியியல், சித்தமருத்துவம், நிகண்டுகள் பாடத்திட்டத்தில் சேர்க்கப்பெறல் வேண்டும்.                                                                         |
| 4.2 Library (General and Department)                       | <ul style="list-style-type: none"> <li>கூடுதல் நூல்கள் வாங்கப்பெறல் வேண்டும்.</li> <li>கூடுதலாக இதழ்கள்/ஆய்விதழ்கள் வாங்கிட வேண்டும்.</li> <li>மாணவிகள்/ஆசிரியர்கள் இணைந்து நூலகம் செல்லலாம்.</li> </ul>                           | <ul style="list-style-type: none"> <li>புத்த வங்கி முறையில் மாணவிகளுக்கு வழங்கலாம்</li> <li>நூலகம் என்று (2hrs) பாடவேளையில் சேர்த்தல் வேண்டும்</li> </ul> |
| <b>Criterion V: Student Support and Progression</b>        |                                                                                                                                                                                                                                    |                                                                                                                                                           |
| 5.1 Academic Support for Students                          | <ul style="list-style-type: none"> <li>கல்லூரியின் முன் முயற்சிகள் பாராட்டுதலுக்குரியன. ஆசிரியைகள் மிகுந்த அக்கறை உடையவர்களாக இருக்கிறார்கள்</li> <li>Students support for economically weaker sections - பாராட்டுக்கள்</li> </ul> | <ul style="list-style-type: none"> <li>பாராட்டுக்கள்</li> <li>கட்டணக் குறைப்பு அவசியம்</li> </ul>                                                         |
| 5.2 Academic Progression of the Students                   | தனி வகுப்புகள் சிறந்த முன்மாதிரியை உருவாக்கும்.                                                                                                                                                                                    | பாராட்டுக்கள்                                                                                                                                             |
| 5.3 Student Participation and Activities                   |                                                                                                                                                                                                                                    | மாணவிகளுடனான உரையாடல் உவப்பும் மகிழ்ச்சியும் அளிப்பனவாக அமைந்திருந்தன. பாராட்டுக்கள்.                                                                     |
| <b>Criterion VI: Innovations and Best Practices</b>        |                                                                                                                                                                                                                                    |                                                                                                                                                           |
| 6.1 Environment Consciousness                              | -                                                                                                                                                                                                                                  | பாராட்டுக்கள்                                                                                                                                             |

| Key Aspects                           | Commendations                                                                                                                                                                   | Specific Recommendations                                                                                                                                                   |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 6.2 Innovations                       |                                                                                                                                                                                 |                                                                                                                                                                            |
| 6.3 Best Practices                    | <ul style="list-style-type: none"> <li>• மலையாளம் கற்பிக்கப்படுதல்</li> <li>• பாடத்திட்டங்கள்,பயிற்றுவிக்கும் முறை,மதிப்பீட்டுக்கல்வி போற்றுதலுக்குரிய முன்மாதிரிகள்</li> </ul> | <ul style="list-style-type: none"> <li>• ஆங்கிலம் கற்பித்தலில் கூடுதல் கவனம் தேவை</li> <li>• ஆங்கில பயிற்சிக்குக் கூடுதல் முக்கியத்துவம் அளிக்கப்பெறல் வேண்டும்</li> </ul> |
| 6.4 Strategic plans of the Department | -                                                                                                                                                                               | பாராட்டத்தகுந்த பணி. பிறமொழி பாடவேளை குறைந்தது 4 பாடவேளை களாவது கற்பிக்க வேண்டும்.                                                                                         |

### General Commendations:

- To strengthen the system of getting feedback from students (to have supporting evidence)
- Translations of books into Tamil
- Can compile the endowment lectures into a book.
- Offer more certificate courses for (Dr. Thirumalai) training in social skills to face difficulties in work place to enhance strength in PG programme (suggested by Dr. Lenin)
- Can bring out documentary films (Dr. Thirumalai) Language lab for Tamil

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**Department: English**

**Date of Audit:09.09.2019**

Academic Expert:Dr. Catherin Edward

Industrial Expert: Mrs. Lydia Priyadharsini,

| Key Aspects                                        | Commendations | Specific Recommendations                                                                                                                                                                                                                                                                                     |
|----------------------------------------------------|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Criterion I: Curricular Aspects                    |               |                                                                                                                                                                                                                                                                                                              |
| 1.1 Curriculum Design and Development              | -             | <ul style="list-style-type: none"><li>• EQ to be included in soft skills syllabus</li><li>• A courses on Professional Ethics, Entrepreneurial skills, Human values in Literature can be added</li><li>• Courses on Entrepreneurship can be added</li><li>• Feeding from subject experts can be got</li></ul> |
| 1.2 Curriculum Enrichment                          | -             | Value added programmes can be introduced                                                                                                                                                                                                                                                                     |
| 1.3 Feedback System                                | -             | -                                                                                                                                                                                                                                                                                                            |
| Criterion II: Teaching—Learning and Evaluation     |               |                                                                                                                                                                                                                                                                                                              |
| 2.1 Catering to Student Diversity                  | -             | <ul style="list-style-type: none"><li>• More number of programme can be conducted to hone the skills of the students</li><li>• Remedial course are needed for the slow learners</li></ul>                                                                                                                    |
| 2.2 Teaching-Learning Process                      | -             | <ul style="list-style-type: none"><li>• Mentor -Mentee system and records can be introduced</li></ul>                                                                                                                                                                                                        |
| 2.3 Teacher Quality                                | -             | <ul style="list-style-type: none"><li>• Outside/abroad participation can be encouraged</li></ul>                                                                                                                                                                                                             |
| 2.4 Evaluation Process and Reforms                 | -             |                                                                                                                                                                                                                                                                                                              |
| 2.5 Student Performance and Learning Outcomes      | -             |                                                                                                                                                                                                                                                                                                              |
| Criterion III: Research, Consultancy and Extension |               |                                                                                                                                                                                                                                                                                                              |

| Key Aspects                                                                           | Commendations | Specific Recommendations                                                                                                         |
|---------------------------------------------------------------------------------------|---------------|----------------------------------------------------------------------------------------------------------------------------------|
| 3.1 Enhancing the research qualities                                                  | -             | <ul style="list-style-type: none"><li>e-journal can be subscribed</li><li>More UGC / ICSSR Projects can be applied for</li></ul> |
| 3.2 Resource Mobilization for Research                                                | -             | -                                                                                                                                |
| 3.3 Research Publications, Awards and Patents                                         | -             | -                                                                                                                                |
| 3.4 Consultancy                                                                       | -             | <ul style="list-style-type: none"><li>Consultancy through Language Lab and curriculum designing could be taken up</li></ul>      |
| 3.5 Institutional Social Responsibility (Service Learning / Life Frontier Engagement) | -             | -                                                                                                                                |
| 3.6 Collaborations and Networking                                                     | -             | -                                                                                                                                |
| ஊசுவைநசழை ஜெ: ஜகெசயளவசரஉவரசந யனெ டுநயசனெபெ சுநளமுரசஉநள                                |               |                                                                                                                                  |
| 4.1 Laboratory Facilities                                                             | -             | -                                                                                                                                |
| 4.2 Library (General and Department)                                                  | -             | -                                                                                                                                |
| Criterion V: Student Support and Progression                                          |               |                                                                                                                                  |
| 5.1 Academic Support for Students                                                     | -             | <ul style="list-style-type: none"><li>Book Bank for poor students can be established</li></ul>                                   |
| 5.2 Academic Progression of the Students                                              |               | -                                                                                                                                |
| 5.3 Student Participation and Activities                                              |               | -                                                                                                                                |
| Criterion VI: Innovations and Best Practices                                          |               |                                                                                                                                  |
| 6.1 Environment Consciousness                                                         | -             | -                                                                                                                                |
| 6.2 Innovations                                                                       | -             | -                                                                                                                                |
| 6.3 Best Practices                                                                    | -             | -                                                                                                                                |
| 6.4 Strategic plans of the Department                                                 | -             | -                                                                                                                                |

Areas required to be improved:

- Value added courses should not be core courses. It should be either certificate or diploma courses.
- Detailed feed back must be obtained from all the stake holders
- Part II must be given on par with TANSCHHE guidelines
- Streamlining may be avoided
- Every subject must have a practicum part
- Research journal to be brought out by the Department
- Doctoral committee for the Dept. could be formed
- Alumnae list to be strengthened. MoU's with prominent alumnae must be entered
- Teachers can publish more papers to enable the Department get PG Development fund
- Mentor – Mentored notebooks to be maintained giving the purpose and outcome of each meeting. Both the mentor and the mentored must have a copy
- Measures to be taken to increase the pass percentage in certain courses
- More courses on human values can be introduced

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**Department: History**

**Date of Audit:03.09.2019**

Academic Expert: Dr. S. Rajavelu

Industrial Expert: Dr. V. Vedachalam

| Key Aspects                                                                           | Commendations | Specific Recommendations |
|---------------------------------------------------------------------------------------|---------------|--------------------------|
| Criterion I: Curricular Aspects                                                       |               |                          |
| 1.1 Curriculum Design and Development                                                 | -             | -                        |
| 1.2 Curriculum Enrichment                                                             | -             | -                        |
| 1.3 Feedback System                                                                   | -             | -                        |
| Criterion II: Teaching—Learning and Evaluation                                        |               |                          |
| 2.1 Catering to Student Diversity                                                     | -             | -                        |
| 2.2 Teaching-Learning Process                                                         | -             |                          |
| 2.3 Teacher Quality                                                                   | -             |                          |
| 2.4 Evaluation Process and Reforms                                                    | -             |                          |
| 2.5 Student Performance and Learning Outcomes                                         | -             |                          |
| Criterion III: Research, Consultancy and Extension                                    |               |                          |
| 3.1 Enhancing the research qualities                                                  | -             | -                        |
| 3.2 Resource Mobilization for Research                                                | -             | -                        |
| 3.3 Research Publications, Awards and Patents                                         | -             | -                        |
| 3.4 Consultancy                                                                       | -             | -                        |
| 3.5 Institutional Social Responsibility (Service Learning / Life Frontier Engagement) | -             | -                        |

| Key Aspects                                         | Commendations | Specific Recommendations                                                                                                                                                                                                   |
|-----------------------------------------------------|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3.6 Collaborations and Networking                   | -             | -                                                                                                                                                                                                                          |
| Criterion IV: Infrastructure and Learning Resources |               |                                                                                                                                                                                                                            |
| 4.1 Laboratory & Physical Facilities                | -             | -                                                                                                                                                                                                                          |
| 4.2 Library (General and Department)                | -             | Departmental Library may be strengthened separately with the impact Journals related to History and Social Sciences including Archaeology Journals                                                                         |
| Criterion V: Student Support and Progression        |               |                                                                                                                                                                                                                            |
| 5.1 Academic Support for Students                   | -             | In order to strengthen the students role in the department, the Tuition fee may be reduced as par with University pay structure or other Government college fee structure. This may be useful to strengthen the Department |
| 5.2 Academic Progression of the Students            |               |                                                                                                                                                                                                                            |
| 5.3 Student Participation and Activities            |               |                                                                                                                                                                                                                            |
| Criterion VI: Innovations and Best Practices        |               |                                                                                                                                                                                                                            |
| 6.1 Environment Consciousness                       | -             | -                                                                                                                                                                                                                          |
| 6.2 Innovations                                     | -             | -                                                                                                                                                                                                                          |
| 6.3 Best Practices                                  | -             | -                                                                                                                                                                                                                          |
| 6.4 Strategic plans of the Department               | -             | -                                                                                                                                                                                                                          |

### Areas required to be improved:

- A course in 'Preservation of monuments – in collaboration with Chemistry Dept.
- Training in Archaeology -could be arranged
- Career guidance to students could be improved

- Some of the Activities (Silambam, cleaning the monuments) could be linked the central Government programs (Sweatch Bharat, Fit India)

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**Department: Economics**

**Date of Audit: 06.09.2019**

Academic Expert: Dr. S. Pushparaj

Industrial Expert: A.K.B. Nawas Babu

| Key Aspects                                           | Commendations                                                                                                                                                                                                                              | Specific Recommendations                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Criterion I: Curricular Aspects</b>                |                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                           |
| 1.1 Curriculum Design and Development                 | <ul style="list-style-type: none"><li>Curriculum designed systematically by the competent body</li><li>Number of value added courses are large in number &amp; coverage is impressive</li><li>Curriculum is periodically updated</li></ul> | Students suggested course order change for money & Banking paper                                                                                                                                                                                                                                                                                                          |
| 1.2 Curriculum Enrichment                             | The enthusiasm shown to introduce new innovative courses are impressive                                                                                                                                                                    | <ul style="list-style-type: none"><li>Support teachers involved in this initiative and a special fellowship may be initiated</li><li>The teachers workload may be reduced for material preparation and financial support may be given to the teachers to buy and photocopy learning material</li></ul>                                                                    |
| 1.3 Feedback System                                   | Adequate                                                                                                                                                                                                                                   | <ul style="list-style-type: none"><li>Feedback must be received from current students as well</li></ul>                                                                                                                                                                                                                                                                   |
| <b>Criterion II: Teaching—Learning and Evaluation</b> |                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                           |
| 2.1 Catering to Student Diversity                     | -                                                                                                                                                                                                                                          | <ul style="list-style-type: none"><li>Formal report on the evaluation of curriculum has to be documented &amp; Budget has to be allocated for this exercise</li><li>Customised evaluation tools may be designed to suit the requirement of different category of students/courses</li><li>Flexible courses may be suggested &amp; designed for sports students.</li></ul> |
| 2.2 Teaching-Learning Process                         | -                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                           |
| 2.3 Teacher Quality                                   | Faculty profiles and composition is impressive                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                           |
| 2.4 Evaluation Process and Reforms                    | Assignment topics have to be relevant & imaginative                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                           |

| Key Aspects                                                                           | Commendations                                                                    | Specific Recommendations                                                                                                                                                                                                                                                                              |
|---------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2.5 Student Performance and Learning Outcomes                                         | -                                                                                | <ul style="list-style-type: none"> <li>• More guest lectures on academic themes may be arranged</li> <li>• Creative club activities may be encouraged &amp; activities like quiz, dumb charades, Debates &amp; discussion on different courses</li> </ul>                                             |
| <b>Criterion III: Research, Consultancy and Extension</b>                             |                                                                                  |                                                                                                                                                                                                                                                                                                       |
| 3.1 Enhancing the research qualities                                                  | -                                                                                | -                                                                                                                                                                                                                                                                                                     |
| 3.2 Resource Mobilization for Research                                                | -                                                                                | -                                                                                                                                                                                                                                                                                                     |
| 3.3 Research Publications, Awards and Patents                                         | -                                                                                | -                                                                                                                                                                                                                                                                                                     |
| 3.4 Consultancy                                                                       | -                                                                                | -                                                                                                                                                                                                                                                                                                     |
| 3.5 Institutional Social Responsibility (Service Learning / Life Frontier Engagement) | -                                                                                | -                                                                                                                                                                                                                                                                                                     |
| 3.6 Collaborations and Networking                                                     | -                                                                                | -                                                                                                                                                                                                                                                                                                     |
| <b>Criterion IV: Infrastructure and Learning Resources</b>                            |                                                                                  |                                                                                                                                                                                                                                                                                                       |
| 4.1 Laboratory & Physical Facilities                                                  | Computer lab is well equipped students are happy about library and no complaints | -                                                                                                                                                                                                                                                                                                     |
| 4.2 Library (General and Department)                                                  | -                                                                                | -                                                                                                                                                                                                                                                                                                     |
| <b>Criterion V: Student Support and Progression</b>                                   |                                                                                  |                                                                                                                                                                                                                                                                                                       |
| 5.1 Academic Support for Students                                                     | -                                                                                | <ul style="list-style-type: none"> <li>• Sports &amp; Tamil medium student need support and care</li> <li>• The department need to understand/ address the requirement of Tamil medium students. If necessary professional counselling may be arranged for the needy students periodically</li> </ul> |

| Key Aspects                                         | Commendations                                             | Specific Recommendations                                                                                                                                                                                             |
|-----------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 5.2 Academic Progression of the Students            | -                                                         | -                                                                                                                                                                                                                    |
| 5.3 Student Participation and Activities            | -                                                         | -                                                                                                                                                                                                                    |
| <b>Criterion VI: Innovations and Best Practices</b> |                                                           |                                                                                                                                                                                                                      |
| 6.1 Environment Consciousness                       | -                                                         | -                                                                                                                                                                                                                    |
| 6.2 Innovations                                     | Adaption of Google class by teachers was found innovative | -                                                                                                                                                                                                                    |
| 6.3 Best Practices                                  | -                                                         | <ul style="list-style-type: none"> <li>• Periodic Teachers/ Students seminars, Book reviews and presentation may be encouraged.</li> <li>• Student visits of Industrial exhibition/events may be arranged</li> </ul> |
| 6.4 Strategic plans of the Department               | -                                                         | -                                                                                                                                                                                                                    |

#### **Areas required to be improved:**

- **Switch to R programming instead proprietary softwares**
- **Use PRA & RRA technique**
- **Categories students according to abilities and orient and motivate in the right direction.**
- **Uploading prepared materials in slide share for the internal members use.**

#### **Diverged group – cater to their needs based on abilities**

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**Department: Social Sciences**

**Date of Audit: 05.09.2019**

Academic Expert: Dr. Marutha Kutti

Industrial Expert: Dr. S. Sabhesan

| Key Aspects                                        | Commendations                                                      | Specific Recommendations                                                                                                                                                                                                                                                                                                |
|----------------------------------------------------|--------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Criterion I: Curricular Aspects                    |                                                                    |                                                                                                                                                                                                                                                                                                                         |
| 1.1 Curriculum Design and Development              | Innovative programme and field based training are commendable      | <ul style="list-style-type: none"><li>• Apart from lab oriented training, real life oriented training ay be given</li><li>• Staff (faculty) strength may be increased, in order to monitor &amp; develop skills in the off-field training</li><li>• Research oriented skills &amp; inputs may be strengthened</li></ul> |
| 1.2 Curriculum Enrichment                          | Training on soft skills and communication skills are commendable   | <ul style="list-style-type: none"><li>• Equal importance may be given in both psychology &amp; Sociology curriculum in the UG course</li><li>• Exposure to the field training can be enhanced</li></ul>                                                                                                                 |
| 1.3 Feedback System                                | -                                                                  | -                                                                                                                                                                                                                                                                                                                       |
| Criterion II: Teaching—Learning and Evaluation     |                                                                    |                                                                                                                                                                                                                                                                                                                         |
| 2.1 Catering to Student Diversity                  | -                                                                  | -                                                                                                                                                                                                                                                                                                                       |
| 2.2 Teaching-Learning Process                      | -                                                                  | -                                                                                                                                                                                                                                                                                                                       |
| 2.3 Teacher Quality                                | Street play, folk Arts and Documentary film making are commendable | <ul style="list-style-type: none"><li>• Adequate faculty members are required to monitor the students effectively</li></ul>                                                                                                                                                                                             |
| 2.4 Evaluation Process and Reforms                 | -                                                                  | -                                                                                                                                                                                                                                                                                                                       |
| 2.5 Student Performance and Learning Outcomes      | -                                                                  |                                                                                                                                                                                                                                                                                                                         |
| Criterion III: Research, Consultancy and Extension |                                                                    |                                                                                                                                                                                                                                                                                                                         |

| Key Aspects                                                                           | Commendations                                                  | Specific Recommendations                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|---------------------------------------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3.1 Enhancing the research qualities                                                  | Making the students to read & analyse news papers in every day | <ul style="list-style-type: none"> <li>• More journals to be procured in the department</li> <li>• Efforts may be initiated to establish a research Centre in Psychology</li> </ul>                                                                                                                                                                                                                                                                                                                |
| 3.2 Resource Mobilization for Research                                                | -                                                              | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 3.3 Research Publications, Awards and Patents                                         | Students are motivated in clearing NET/SLET is commendable     | <ul style="list-style-type: none"> <li>• Faculty members may be encouraged to participate &amp; present papers in national level universities and research institutions</li> <li>• Research Grant may be earmarked for the faculty development</li> <li>• Faculty members may be motivated to apply &amp; procure Project Grants from UGC &amp; ICSSR</li> <li>• Faculty members are encouraged to Publish articles in UGC-Care journals &amp; Social Science citation indexed journals</li> </ul> |
| 3.4 Consultancy                                                                       | -                                                              | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 3.5 Institutional Social Responsibility (Service Learning / Life Frontier Engagement) | -                                                              | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 3.6 Collaborations and Networking                                                     | Collaboration with Chinese & Canadian universities are good    | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Criterion IV: Infrastructure and Learning Resources</b>                            |                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 4.1 Laboratory & Physical Facilities                                                  | -                                                              | Planned development of Laboratory is the need of hour                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 4.2 Library (General and Department)                                                  | -                                                              | National Journals relevant to discipline may be procured                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Criterion V: Student Support and Progression</b>                                   |                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 5.1 Academic Support for Students                                                     | -                                                              | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 5.2 Academic Progression of the Students                                              |                                                                | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

| Key Aspects                                         | Commendations | Specific Recommendations |
|-----------------------------------------------------|---------------|--------------------------|
| 5.3 Student Participation and Activities            |               | -                        |
| <b>Criterion VI: Innovations and Best Practices</b> |               |                          |
| 6.1 Environment Consciousness                       | -             | -                        |
| 6.2 Innovations                                     | -             | -                        |
| 6.3 Best Practices                                  | -             | -                        |
| 6.4 Strategic plans of the Department               | -             | -                        |

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**Department: Commerce (Aided, B&I & CA)****Date of Audit:05.09.2019**

Academic Expert: Mrs. Kavitha Jayakumar

Industrial Expert: Mr. S. Gopal

| Key Aspects                                        | Commendations                                                                                                   | Specific Recommendations                                                                                                                                                                                                                                                                                    |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Criterion I: Curricular Aspects                    |                                                                                                                 |                                                                                                                                                                                                                                                                                                             |
| 1.1 Curriculum Design and Development              | <ul style="list-style-type: none"><li>Curriculum design and development focusing on global competency</li></ul> | <ul style="list-style-type: none"><li>Employability skills has to be developed</li><li>Feedback from Experts has to be implemented</li></ul> Rquired: <ul style="list-style-type: none"><li>Skill enhancement</li><li>Personality development</li><li>Soft skills</li><li>Feedback implementation</li></ul> |
| 1.2 Curriculum Enrichment                          | <ul style="list-style-type: none"><li>Good Process but implementation has to be taken care</li></ul>            | <ul style="list-style-type: none"><li>Systematic documentation required</li></ul>                                                                                                                                                                                                                           |
| 1.3 Feedback System                                |                                                                                                                 |                                                                                                                                                                                                                                                                                                             |
| Criterion II: Teaching—Learning and Evaluation     |                                                                                                                 |                                                                                                                                                                                                                                                                                                             |
| 2.1 Catering to Student Diversity                  | -                                                                                                               | <ul style="list-style-type: none"><li>Advanced learners to be engaged</li><li>Orientation for students with advance learners</li></ul>                                                                                                                                                                      |
| 2.2 Teaching-Learning Process                      | -                                                                                                               | <ul style="list-style-type: none"><li>Critical thinking space has to be provided</li><li>Special orientation – need basic can be organised</li></ul>                                                                                                                                                        |
| 2.3 Teacher Quality                                | <ul style="list-style-type: none"><li>Faculty Exchange provides students requirement</li></ul>                  | <ul style="list-style-type: none"><li>Faculty Development program to be organised</li></ul>                                                                                                                                                                                                                 |
| 2.4 Evaluation Process and Reforms                 | <ul style="list-style-type: none"><li>Good Practices - continue</li></ul>                                       | <ul style="list-style-type: none"><li>Revaluation documents required for Department</li></ul>                                                                                                                                                                                                               |
| 2.5 Student Performance and Learning Outcomes      | <ul style="list-style-type: none"><li>Communication &amp; Connecting with latest development</li></ul>          | <ul style="list-style-type: none"><li>Curriculum should reflect the new trends</li><li>Documentation needed</li></ul>                                                                                                                                                                                       |
| Criterion III: Research, Consultancy and Extension |                                                                                                                 |                                                                                                                                                                                                                                                                                                             |

| Key Aspects                                                                           | Commendations                                                                                                                | Specific Recommendations                                                                                                                                                                                                                              |
|---------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3.1 Enhancing the research qualities                                                  | -                                                                                                                            | <ul style="list-style-type: none"> <li>To incorporate Research centre to enhance quality of Research in the Department</li> <li>To reflect in Time Table and prescribe for quality Journals for Reference</li> <li>Encourage Library usage</li> </ul> |
| 3.2 Resource Mobilization for Research                                                | <ul style="list-style-type: none"> <li>Appreciated Research initiatives to project grants &amp; external agencies</li> </ul> | -                                                                                                                                                                                                                                                     |
| 3.3 Research Publications, Awards and Patents                                         | -                                                                                                                            | <ul style="list-style-type: none"> <li>Research workshop to be organized</li> <li>Concentrate &amp; Strategic more on Research</li> </ul>                                                                                                             |
| 3.4 Consultancy                                                                       | -                                                                                                                            | <ul style="list-style-type: none"> <li>Focus to get consultancy</li> </ul>                                                                                                                                                                            |
| 3.5 Institutional Social Responsibility (Service Learning / Life Frontier Engagement) | <ul style="list-style-type: none"> <li>Good</li> </ul>                                                                       | <ul style="list-style-type: none"> <li>Documentation Required</li> </ul>                                                                                                                                                                              |
| 3.6 Collaborations and Networking                                                     | -                                                                                                                            | <ul style="list-style-type: none"> <li>Faculty/Student Exchange programmes needed</li> <li>service learning needed</li> <li>International MOU's required</li> </ul>                                                                                   |
| <b>Criterion IV: Infrastructure and Learning Resources</b>                            |                                                                                                                              |                                                                                                                                                                                                                                                       |
| 4.1 Laboratory & physical Facilities                                                  | <ul style="list-style-type: none"> <li>Good</li> </ul>                                                                       | -                                                                                                                                                                                                                                                     |
| 4.2 Library (General and Department)                                                  | -                                                                                                                            | <ul style="list-style-type: none"> <li>Go for membership for standard care listed Journals</li> <li>Recommending for Department journals</li> </ul>                                                                                                   |
| <b>Criterion V: Student Support and Progression</b>                                   |                                                                                                                              |                                                                                                                                                                                                                                                       |
| 5.1 Academic Support for Students                                                     | Good                                                                                                                         | Documents required                                                                                                                                                                                                                                    |
| 5.2 Academic Progression of the Students                                              | Good                                                                                                                         | -                                                                                                                                                                                                                                                     |
| 5.3 Student Participation and Activities                                              | -                                                                                                                            | <ul style="list-style-type: none"> <li>Opportunities to be provided for everyone</li> <li>Requesting to tap the resources adeptly</li> </ul>                                                                                                          |

| Key Aspects                                         | Commendations | Specific Recommendations               |
|-----------------------------------------------------|---------------|----------------------------------------|
| <b>Criterion VI: Innovations and Best Practices</b> |               |                                        |
| 6.1 Environment<br>Consciousness                    | Good          | Proper documentation is<br>recommended |
| 6.2 Innovations                                     | Good          |                                        |
| 6.3 Best Practices                                  | Good          |                                        |
| 6.4 Strategic plans of the<br>Department            | Good          |                                        |

Areas required to be improved:

- Feed back from parents to be given more importance
- Non commerce students can be given a bridge course

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**Department: Commerce (PA, Honours & CS)****Date of Audit: 23.09.2019**

Academic Expert: Dr. C. Samuel Joseph

Industrial Expert: Mr. P.V. Raja

| Key Aspects                                               | Commendations                            | Specific Recommendations                                                                                                                                                                                                    |
|-----------------------------------------------------------|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Criterion I: Curricular Aspec</b>                      |                                          |                                                                                                                                                                                                                             |
| 1.1 Curriculum Design and Development                     | Well integrated with professional Bodies | -                                                                                                                                                                                                                           |
| 1.2 Curriculum Enrichment                                 | -                                        | <ul style="list-style-type: none"><li>• Regional requirement is present, to scale-up to global demands</li><li>• Awareness to be given about latest Technologies</li></ul>                                                  |
| 1.3 Feedback System                                       | -                                        | -                                                                                                                                                                                                                           |
| <b>Criterion II: Teaching—Learning and Evaluation</b>     |                                          |                                                                                                                                                                                                                             |
| 2.1 Catering to Student Diversity                         | Monitoring system takes care of this     | Psychometric Testing to be carried for every student                                                                                                                                                                        |
| 2.2 Teaching-Learning Process                             | -                                        | <ul style="list-style-type: none"><li>• It's to be student centric &amp; not Teacher centric. Participative learning to be focused</li><li>• Teaching learning process to be strengthened</li></ul>                         |
| 2.3 Teacher Quality                                       | -                                        | <ul style="list-style-type: none"><li>• More number of recharge programs required / outbound learning recommendation</li><li>• Enrichment programmes outside the college should be standardized on rotation basis</li></ul> |
| 2.4 Evaluation Process and Reforms                        | -                                        | Students to be provided with the scheme of valuation after every Test/Exam                                                                                                                                                  |
| 2.5 Student Performance and Learning Outcomes             | -                                        | -                                                                                                                                                                                                                           |
| <b>Criterion III: Research, Consultancy and Extension</b> |                                          |                                                                                                                                                                                                                             |

| Key Aspects                                                                           | Commendations | Specific Recommendations                                                                                                                                                                                                                                                |
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| 3.1 Enhancing the research qualities                                                  | -             | The department is not a research Dept. as no. of Ph.D are less.                                                                                                                                                                                                         |
| 3.2 Resource Mobilization for Research                                                | -             | -                                                                                                                                                                                                                                                                       |
| 3.3 Research Publications, Awards and Patents                                         | -             | <ul style="list-style-type: none"> <li>Publications are very less and need to be improved quickly.</li> <li>Faculty members can be motivated</li> </ul>                                                                                                                 |
| 3.4 Consultancy                                                                       | -             | To be improved, initially it need not be monetary but professional advise                                                                                                                                                                                               |
| 3.5 Institutional Social Responsibility (Service Learning / Life Frontier Engagement) | -             | Partnerships to be roped in team industry                                                                                                                                                                                                                               |
| 3.6 Collaborations and Networking                                                     | -             | <ul style="list-style-type: none"> <li>Not adequate, to be improved</li> <li>MOU's with direct industries must</li> </ul>                                                                                                                                               |
| <b>Criterion IV: Infrastructure and Learning Resources</b>                            |               |                                                                                                                                                                                                                                                                         |
| 4.1 Laboratory & Physical Facilities                                                  | -             | <ul style="list-style-type: none"> <li>Only centralized computer lab</li> <li>Specialized lab is needed</li> </ul>                                                                                                                                                      |
| 4.2 Library (General and Department)                                                  | -             | <ul style="list-style-type: none"> <li>Books relevant to CA/CMA/CS to be bought. Institute study materials to be bought regularly</li> <li>More no. of E-journals to be subscribed</li> <li>Only student/Teacher manage it there need to be a staff assigned</li> </ul> |
| <b>Criterion V: Student Support and Progression</b>                                   |               |                                                                                                                                                                                                                                                                         |
| 5.1 Academic Support for Students                                                     | -             | To be enhanced given the rich tradition                                                                                                                                                                                                                                 |
| 5.2 Academic Progression of the Students                                              | -             | -                                                                                                                                                                                                                                                                       |
| 5.3 Student Participation and Activities                                              | -             | <ul style="list-style-type: none"> <li>No. of clubs to be increased</li> <li>Newsletter to be launched</li> </ul>                                                                                                                                                       |
| <b>Criterion VI: Innovations and Best Practices</b>                                   |               |                                                                                                                                                                                                                                                                         |
| 6.1 Environment Consciousness                                                         | -             | -                                                                                                                                                                                                                                                                       |
| 6.2 Innovations                                                                       | -             | Academic innovation - missing                                                                                                                                                                                                                                           |

| <b>Key Aspects</b>                    | <b>Commendations</b> | <b>Specific Recommendations</b>                           |
|---------------------------------------|----------------------|-----------------------------------------------------------|
| 6.3 Best Practices                    | -                    | Best practices to be bench marked with other institutions |
| 6.4 Strategic plans of the Department | -                    | -                                                         |

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Industrial Expert: Mr. Ilango

| Key Aspects                                        | Commendations                                                                                                    | Specific Recommendations                                             |
|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|
| Criterion I: Curricular Aspects                    |                                                                                                                  |                                                                      |
| 1.1 Curriculum Design and Development              | -                                                                                                                | • Energy & IoT focus must be upto date-Needs much more improvements. |
| 1.2 Curriculum Enrichment                          | -                                                                                                                | -                                                                    |
| 1.3 Feedback System                                | -                                                                                                                | -                                                                    |
| Criterion II: Teaching—Learning and Evaluation     |                                                                                                                  |                                                                      |
| 2.1 Catering to Student Diversity                  | -                                                                                                                | -                                                                    |
| 2.2 Teaching-Learning Process                      | • Students too requested more industrial visits.                                                                 | -                                                                    |
| 2.3 Teacher Quality                                | -                                                                                                                | -                                                                    |
| 2.4 Evaluation Process and Reforms                 | -                                                                                                                |                                                                      |
| 2.5 Student Performance and Learning Outcomes      | • Older Lab Equipment. students too complained about dusty & few non-working equipment.                          |                                                                      |
| Criterion III: Research, Consultancy and Extension |                                                                                                                  |                                                                      |
| 3.1 Enhancing the research qualities               | • It is too Madurai-Centric, needs to collaborate more.<br>• But the results/achievements are not demonstrating. | -                                                                    |
| 3.2 Resource Mobilization for Research             | -                                                                                                                | -                                                                    |

| Key Aspects                                                                           | Commendations                                                                                                                              | Specific Recommendations                                                 |
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| 3.3 Research Publications, Awards and Patents                                         | <ul style="list-style-type: none"><li>Have not observed, but my exposure is too little.</li><li>I don't thing this is Happening.</li></ul> |                                                                          |
| 3.4 Consultancy                                                                       | Not with Govt, but awareness drives for public.                                                                                            |                                                                          |
| 3.5 Institutional Social Responsibility (Service Learning / Life Frontier Engagement) | -                                                                                                                                          | -                                                                        |
| 3.6 Collaborations and Networking                                                     | <ul style="list-style-type: none"><li>Inadequate</li></ul>                                                                                 | -                                                                        |
| Criterion IV: Infrastructure and Learning Resources                                   |                                                                                                                                            |                                                                          |
| 4.1 Laboratory & Physical Facilities                                                  | -                                                                                                                                          | <ul style="list-style-type: none"><li>Needs more improvements.</li></ul> |
| 4.2 Library (General and Department)                                                  | -                                                                                                                                          | -                                                                        |
| Criterion V: Student Support and Progression                                          |                                                                                                                                            |                                                                          |
| 5.1 Academic Support for Students                                                     | -                                                                                                                                          | -                                                                        |
| 5.2 Academic Progression of the Students                                              |                                                                                                                                            | -                                                                        |
| 5.3 Student Participation and Activities                                              |                                                                                                                                            | <ul style="list-style-type: none"><li>Not fully leveraged</li></ul>      |
| Criterion VI: Innovations and Best Practices                                          |                                                                                                                                            |                                                                          |
| 6.1 Environment Consciousness                                                         | -                                                                                                                                          | -                                                                        |
| 6.2 Innovations                                                                       | -                                                                                                                                          | -                                                                        |
| 6.3 Best Practices                                                                    | -                                                                                                                                          | -                                                                        |
| 6.4 Strategic plans of the Department                                                 | -                                                                                                                                          | -                                                                        |

### General Commendations:

- National and Global conferences of your students can be projected

- Suggestions to focus on energy related courses due to immense future purports
- Certificate courses on Renewable Energy can be offered

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Department: Physics

Date of the audit: 30.08.2019

Academic Expert: Dr. J. Merline Shyla

| Criterion wise Key Aspects with indicators                                                                                                                                           |  | Commendations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Specific Recommendations                                                                                                                                                           |
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| Criterion I: Curricular Aspects                                                                                                                                                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                    |
| 1.1 Curriculum Design and Development                                                                                                                                                |  | <p>The Department's vision and mission statements are infused in every element of curriculum design and deserves appreciation.</p> <p>Relevance of the curriculum to the emerging scientific and research trends is evident from the continuous update and introduction of unique courses.</p> <p>Besides focusing on employability and entrepreneurship skill development, the curriculum strives to promote the spirit of scientific inquiry in the students.</p> <p>The curriculum strongly focusses on the holistic formation of the students.</p> <p><b>I record my appreciation for the meticulous design of such a robust and relevant curriculum.</b></p> | <p>The Self Learning paper which is a very good concept could have the attached conditions relaxed and made more flexible and student friendly so as to benefit more students.</p> |
| 1. Curriculum design is aligned with the departmental goals and objectives.                                                                                                          |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                    |
| 2. Curriculum design and development                                                                                                                                                 |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                    |
| a. Curricula developed/ adopted have relevance to the local/ national/ global developmental needs.                                                                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                    |
| b. Employability & Entrepreneurship, pursuit of higher knowledge, overall development of students are major considerations in the design and development of the curriculum.          |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                    |
| c. Developing global competencies is evident in the curriculum design.                                                                                                               |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                    |
| d. Consultation with academic experts, industry/ employment sector/ alumnae/ other stakeholders within and outside the institution is effectively done for developing the curricula. |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                    |

| Criterion wise Key Aspects with indicators                                                                   |  | Commendations                                                                                                                                                                                                                                                                         | Specific Recommendations                                                                                                                                                                      |
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|                                                                                                              |  |                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                               |
| <b>1.2 Curriculum Enrichment</b>                                                                             |  | There is constant upgradation and periodic revision of the course content.<br><br>Also, relevant courses on emerging thrust areas have been introduced whenever required.<br><br>Feedback and consultation have played major roles in the designing and enrichment of the curriculum. | It is suggested that dedicated programs on Nanotechnology, Energy, Water management etc. can be introduced as Certificate Programs or introduced into the curriculum in an appropriate space. |
| 1. The department revises the curriculum by enriching the course content                                     |  |                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                               |
| 2. Courses in emerging thrust /interdisciplinary areas are introduced in the curriculum                      |  |                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                               |
| 3. Courses on value-added programmes, including communication skills / soft skills enrich the curriculum     |  |                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                               |
| <b>1.3 Feedback System</b>                                                                                   |  |                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                               |
| 1. Structured course feedback from students is obtained regarding the course design and development process. |  |                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                               |
| 2. The Department utilizes the feedback effectively to improve the curriculum.                               |  |                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                               |
| <b>Criterion II: Teaching—Learning and Evaluation</b>                                                        |  |                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                               |
| <b>2.1 Catering to Student Diversity</b>                                                                     |  |                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                               |
| 1. The Department organizes suitable orientation / reorientation programmes for students.                    |  |                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                               |

| Criterion wise Key Aspects with indicators                                                                                                                                                                                    |  | Commendations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Specific Recommendations                                                                                                                                                                                                                                                                                                                              |
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| 2. The Department assesses the learning levels of the students, at the entry level of each programme/course and designs the programme/course delivery based on the need of the students (ex: for advanced and slow learners). |  | The Entry Level Test conducted at the start of every course to identify the knowledge and aptitude level of the student with reference to the course enables the teacher to adopt suitable teaching strategies to cater to the diverse needs of all students.<br><b>This practice is something very unique and laudable.</b>                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                       |
| 3. Analyses the academic growth of the students and provides tutorials or academic advising for differently-able and slow learners.                                                                                           |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                       |
| <b>2.2 Teaching-Learning Process</b>                                                                                                                                                                                          |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                       |
| 1. The Department meticulously plans and organizes its teaching schedule.                                                                                                                                                     |  | The teaching learning process has been designed to be extremely student centric.<br><br>The teaching pedagogy reflects the importance given to participative learning, innovations and ICT enabled teaching (Google Class rooms, Smart Apps etc.).<br><br>It was heartening to hear from the students that critical thinking is promoted in the teaching-learning process here and several opportunities to be innovative and creative are provided.<br><br><b>The presence of the most desired aspects of an ideal teaching-learning process were visible from</b> | Teachers could also attempt to use audio-visual aids/simulations/videos to explain difficult concepts in the classroom thereby making the lectures more interesting.<br><br>Given the vast expertise available with the Department, they could develop relevant e-contents in the form of interactive video lectures for specific topics of interest. |
| <b>2. Pedagogy</b>                                                                                                                                                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                       |
| a. Student centered methods are an integral part of the pedagogy adopted by the faculty member.                                                                                                                               |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                       |
| b. Experiential learning, participative learning, problem solving methodologies are used.                                                                                                                                     |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                       |
| c. Latest technologies (ICT) are used by the faculty member for effective teaching.                                                                                                                                           |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                       |
| 3. The learning environment is conducive for critical thinking, creativity and scientific temper.                                                                                                                             |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                       |
| 4. The department effectively follows a system of mentor-mentee to meet the academic and personal needs of students.                                                                                                          |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                       |

| Criterion wise Key Aspects with indicators                                                                                             |  | Commendations                                                                                                                                                                                            | Specific Recommendations                                                                                                                                            |
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|                                                                                                                                        |  | the reports and feedback of students.                                                                                                                                                                    | Internship on a small scale could be introduced for the final year UG students to expose them to the actual needs of the industries and R&D divisions.              |
| 5. The department gives opportunity for students to demonstrate innovative and creative contributions in the Teaching-Learning process |  |                                                                                                                                                                                                          |                                                                                                                                                                     |
| 6. Projects / field experiences are integrated into the learning programmes.                                                           |  |                                                                                                                                                                                                          |                                                                                                                                                                     |
| 7. Feedback on the evaluation of teachers is leveraged for improvement of the quality of teaching-learning process.                    |  |                                                                                                                                                                                                          |                                                                                                                                                                     |
| <b>2.3 Teacher Quality</b>                                                                                                             |  | The quality and commitment of the teachers is noteworthy.<br><br>Many faculty members have participated and also served as resource persons in development or enrichment programmes outside the College. | All teachers especially the younger staff should be encouraged to pursue or acquire their PhD.<br><br>Faculty members could be encouraged to attend more programmes |
| 1. The Department has adequate, well qualified faculty member.                                                                         |  |                                                                                                                                                                                                          |                                                                                                                                                                     |
| 2. The Department facilitates the participation of its teachers in teacher recharge programmes.                                        |  |                                                                                                                                                                                                          |                                                                                                                                                                     |
| 3. The Department organizes induction and in-service academic development programmes for its faculty member.                           |  |                                                                                                                                                                                                          |                                                                                                                                                                     |
| 4. The faculty members are encouraged to demonstrate creativity and innovation in teaching.                                            |  |                                                                                                                                                                                                          |                                                                                                                                                                     |

| Criterion wise Key Aspects with indicators                                                                                                                      |  | Commendations                                                                                                                                                                                                                                            | Specific Recommendations                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
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|                                                                                                                                                                 |  |                                                                                                                                                                                                                                                          | outside the city or state for wider exposure.                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 5. Faculty members participate in enrichment programmes outside the college and use it effectively to enhance the quality of teaching-learning-testing process. |  |                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>2.4 Evaluation Process and Reforms</b>                                                                                                                       |  |                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 1. The Department disseminates the assessment processes to all its stakeholders.                                                                                |  |                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 2. The question papers (UG & PG) are designed to test the different skills of the learners based on Bloom's Taxonomy.                                           |  |                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 3. The department uses the internal/external assessment processes to prepare its students to take up the national level competitive examinations.               |  |                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 4. The question paper is designed to assess the expected learning outcome of the courses.                                                                       |  |                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 5. The Department ensures that all assessments are evaluated with a proper rubrics/ scheme without any bias.                                                    |  |                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 6. The Department practices transparency in all its evaluative processes.                                                                                       |  | Having physically verified the course outcomes and the skills evaluated through question papers in summative evaluation and other modes of formative evaluation, I find that there is perfect correlation of the suggested outcomes and achieved skills. | <p>While the formative assessments provide scope for testing of varied skills, the summative assessment could incorporate a few more elements of skill evaluation which would cater to the needs of the advanced learners as well.</p> <p>It is suggested that the teacher could be given the liberty of choosing the best of a series of varied skill testing done through the formative assessments.</p> <p>If feasible, introduction of a question bank for students could be contemplated.</p> |

| Criterion wise Key Aspects with indicators                                                                        |  | Commendations                                                                                                                                                                                                                                                                     | Specific Recommendations |
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|                                                                                                                   |  |                                                                                                                                                                                                                                                                                   |                          |
| <b>2.5 Student Performance and Learning Outcomes</b>                                                              |  | -                                                                                                                                                                                                                                                                                 | -                        |
| 1. The department has well defined learning outcomes of its programmes/ courses.                                  |  |                                                                                                                                                                                                                                                                                   |                          |
| 2. The learning outcome is reflected in the pedagogical and assessment processes.                                 |  |                                                                                                                                                                                                                                                                                   |                          |
| 3. The Department analyzes short falls in the achievement of learning outcomes and suggests improvement measures. |  |                                                                                                                                                                                                                                                                                   |                          |
| 4. New technologies are deployed by the faculty members of the Department to enhance student learning.            |  |                                                                                                                                                                                                                                                                                   |                          |
| <b>Criterion III: Research, Innovations and Extension</b>                                                         |  |                                                                                                                                                                                                                                                                                   |                          |
| <b>3.1 Enhancing the research qualities</b>                                                                       |  | <p>There is continuous thrust given to research and faculty members are encouraged to participate in research collaborations.</p> <p>The Department specializes in Lithium batteries and has very good equipment for the synthesis and characterization of related materials.</p> | -                        |
| 1. Efforts are taken by the department for the purchase of appropriate laboratory equipment and research journals |  |                                                                                                                                                                                                                                                                                   |                          |
| 2. The faculty members undertake research by collaborating with other research organizations/industry.            |  |                                                                                                                                                                                                                                                                                   |                          |
| 3. The Department has research committees/ periodical meetings for promoting and directing research.              |  |                                                                                                                                                                                                                                                                                   |                          |

| Criterion wise Key Aspects with indicators                                                                                                                 |  | Commendations | Specific Recommendations                                                                                                                                                                |
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| 4. The Department has established specific research units/centers by funding agency/affiliating university / other universities.                           |  |               |                                                                                                                                                                                         |
| 5. Workshops/ training programmes /sensitization programmes are conducted by the Department to promote a research culture.                                 |  |               |                                                                                                                                                                                         |
| 6. The quality of research presentation done by the faculty members and students outside the college is screened by the department before the presentation |  |               |                                                                                                                                                                                         |
| <b>3.2 Resource Mobilization for Research</b>                                                                                                              |  |               | It is strongly recommended that the research activities of interested staff could be financially supported to certain extent by the Management as a token of appreciation or incentive. |
| 1. Projects sponsored by the industry/ corporate house are availed by Department.                                                                          |  |               |                                                                                                                                                                                         |
| 2. The Department receives quantum of research grants from external agencies for major and minor projects.                                                 |  |               |                                                                                                                                                                                         |
| 3. The Department has a recognised Research Centre(s). (National and international, eg. UGC, ICSSR, ICHR, ICPR, DST, DBT, UNESCO, UNICEF).                 |  | -             | -                                                                                                                                                                                       |
| <b>3.3 Research Publications, Awards and Patents</b>                                                                                                       |  |               | Faculty could attempt to set up Nanotechnology                                                                                                                                          |
| 1. Significant faculty member involvement in research is evident.                                                                                          |  |               |                                                                                                                                                                                         |

| Criterion wise Key Aspects with indicators                                                                                              |  | Commendations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Specific Recommendations                                                                                                                                                                                                     |
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| 2. Interdepartmental / interdisciplinary research projects are undertaken.                                                              |  | <p>It is observed that the younger faculty have either completed PhD or on the verge of completion.</p> <p>At a minor level, the staff members exhibit strong research orientation and undertaking.</p> <p>There is research collaboration by way of post graduate projects and the results have been presented as papers.</p> <p>The research publications produced are proportionate to the current level of PhD holders and research supervisors.</p> <p>Also, among these a good number of papers have been published in international journal of high impact.</p> | <p>based research lab to enhance the level of current research activities.</p> <p>Collaboration with well established labs of Colleges/Universities and with R&amp;D divisions of industries would help in this process.</p> |
| 3. Research awards and recognition are received by the faculty members and students from reputed professional bodies and agencies       |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                              |
| 4. Output in terms of M.Phil, Ph.D. students is significant.                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                              |
| 5. The Department has received research recognition and awards (including patents.).                                                    |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                              |
| 6. The Department's research has contributed to the industry's requirements/ productivity.                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                              |
| 7. A significant number of research articles are published in reputed / refereed journals.                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                              |
| 8. The Department has published books and proceedings based on research work of its faculty member.                                     |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                              |
| 9. The Department is acclaimed for its research as evidenced by metrics such as Citation index, Impact Factor, h-index, SNIP, SJR, etc. |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                              |
| <b>3.4 Consultancy</b>                                                                                                                  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                              |
|                                                                                                                                         |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                              |
| 1. The Department publicizes the expertise available for consultancy services.                                                          |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                              |
| 2. The Department renders consultancy services to industries.                                                                           |  | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                              |

| Criterion wise Key Aspects with indicators                                                                                                |  | Commendations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Specific Recommendations                                                                                                                                                                   |
|-------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3. The Department renders consultancy services to Government / Non- Government organizations/ community/ public.                          |  | The Department has very good provision for consultancy services as their focus area of research is a trending one.                                                                                                                                                                                                                                                                                                                                                                                                                               | -                                                                                                                                                                                          |
| 4. Resources (financial and material) are generated through consultancy services of the Department.                                       |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                            |
| <b>3.5 Institutional Social Responsibility (Service Learning / Life Frontier Engagement)</b>                                              |  | <p>I wish to place on record my sincere appreciation for the unique extension activity of the Department by means of the Life Frontier Engagement (LiFE) where they engage students in meaningful social interaction and responsibility.</p> <p>Students also have expressed their deep appreciation for this concept.</p> <p>In my view the extension activities such as village energy audits, noise impact assessment and candle making through solar concentrators are the best practices of the Department deserving huge appreciation.</p> | <p>The LiFE model could be strengthened and given wider publicity so that more members of the society benefit as well appreciate the efforts of the institution, faculty and students.</p> |
| 1. The extension programmes of the department enriches the academic knowledge of the student                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                            |
| 2. Involvement of Students and faculty members in extension programmes.                                                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                            |
| 3. The impact of extension activities on the community goes through a cycle of evaluation, review and upgrading the extension programmes. |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                            |
| 4. Partnerships with industry, community and NGOs for extension activities are established.                                               |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                            |
| <b>3.6 Collaborations and Networking</b>                                                                                                  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -                                                                                                                                                                                          |

| Criterion wise Key Aspects with indicators                                                                                                                                                                                                                                          |  | Commendations                                                                                                                                                                                                            | Specific Recommendations                                                                                                              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| 1. The Department has linkages for various activities such as faculty member exchange, student placement, internships, training etc. Specific examples of linkages to promote curriculum development, internship, on-the-job training, faculty member exchange and development etc. |  | The Department enjoys strong and meaningful linkages with various quarters aiding in the constant upgradation of their programmes.<br><br>The collaborations established with industries and hospitals are praiseworthy. |                                                                                                                                       |
| 2. The linkages established by the Department have enhanced its academic profile.                                                                                                                                                                                                   |  |                                                                                                                                                                                                                          |                                                                                                                                       |
| 3. The Department has MoUs with institutions of national/ international importance/other universities/ industries/ corporate houses etc.                                                                                                                                            |  |                                                                                                                                                                                                                          |                                                                                                                                       |
| 4. Institute-industry interactions have resulted in the establishment / creation of highly specialized laboratories / facilities.                                                                                                                                                   |  |                                                                                                                                                                                                                          |                                                                                                                                       |
| Criterion IV: Learning Resources                                                                                                                                                                                                                                                    |  | The labs are well-furnished, updated and beautifully maintained with an aesthetic sense.                                                                                                                                 | The Department could consider gradually replacing old equipment like analog CROs and power supplies with new ones in a phased manner. |
| 4.1 Laboratory & Physical Facilities                                                                                                                                                                                                                                                |  |                                                                                                                                                                                                                          |                                                                                                                                       |
|                                                                                                                                                                                                                                                                                     |  |                                                                                                                                                                                                                          |                                                                                                                                       |
| 1. The department has adequate facilities for teaching-learning, class rooms, Laboratories and Computer equipment.                                                                                                                                                                  |  |                                                                                                                                                                                                                          |                                                                                                                                       |
| 2. Class rooms and seminar halls have ICT enabled facilities.                                                                                                                                                                                                                       |  |                                                                                                                                                                                                                          |                                                                                                                                       |
| 3. The lab courses are supported with adequate learning resources (books, standard operating procedures, instruction manuals, guidelines on laboratory ethics etc.)                                                                                                                 |  |                                                                                                                                                                                                                          |                                                                                                                                       |

| Criterion wise Key Aspects with indicators                                                                                                                                                         |  | Commendations                                                                                                                                 | Specific Recommendations                       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| 4. The laboratory is well equipped with necessary, adequate and relevant facilities (instruments, chemicals, glassware, computer, software etc.) to facilitate hands-on-training for the students. |  | The optics lab deserves special mention for the ambience and a rare combination of old and updated equipment all in good working condition.   |                                                |
| <b>4.2 Library (General and Department)</b>                                                                                                                                                        |  | The Department library which is well-maintained with the right ambience for students to read is another facility which is indeed commendable. | Computerization of the lab could be envisaged. |
| 1. Number of text books/reference books available for the students                                                                                                                                 |  |                                                                                                                                               |                                                |
| 2. The library is stocked with adequate number of journals (national + international) and other library resources (i.e. CDs/ cassettes, etc.).                                                     |  |                                                                                                                                               |                                                |
| 3. Library resources are augmented every year with newer editions and titles.                                                                                                                      |  |                                                                                                                                               |                                                |
| 4. The department has a process for the effective functioning of the library and its usage                                                                                                         |  |                                                                                                                                               |                                                |
| 5. Suggestions from the students and faculty members enhances the functioning of library                                                                                                           |  |                                                                                                                                               |                                                |
| <b>Criterion V: Student Support and Progression</b>                                                                                                                                                |  |                                                                                                                                               |                                                |
| <b>5.1 Academic Support for Students</b>                                                                                                                                                           |  |                                                                                                                                               |                                                |

| Criterion wise Key Aspects with indicators                                                                                                                                       |  | Commendations                                                                                                                                                            | Specific Recommendations                                                                                                                                                                                      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Personal enhancement and development schemes – coaching classes for competitive examinations, career counselling, soft skill development, etc. are available to the students. |  | The personal support system extended to students is quite impressive.<br><br>Alumnae have made and continue to make significant contribution to the student progression. | Placement efforts of the Department could be strengthened after conducting a survey with the students and career guidance could be provided from the 2 <sup>nd</sup> year of UG and 1st year of PG programmes |
| 2. The Department coordinates with the placement cell which helps to identify job opportunities and develop entrepreneurial skills.                                              |  |                                                                                                                                                                          |                                                                                                                                                                                                               |
| 3. The Alumnae contacts are significantly utilized to the academic plan of the department.                                                                                       |  |                                                                                                                                                                          |                                                                                                                                                                                                               |
| 4. The Department has a mechanism for timely redressal of student grievances.                                                                                                    |  |                                                                                                                                                                          |                                                                                                                                                                                                               |
| 5. Specific student support is provided for economically weaker sections of society.                                                                                             |  | It is a noble gesture of the faculty members to extend emotional as well financial support to the students purely at a personal level.                                   |                                                                                                                                                                                                               |
| <b>5.2 Academic Progression of the Students</b>                                                                                                                                  |  | Monitoring and remedial measures related to academic progression of students are in place.                                                                               |                                                                                                                                                                                                               |
|                                                                                                                                                                                  |  |                                                                                                                                                                          |                                                                                                                                                                                                               |
| 1. The academic progression of students is regularly monitored.                                                                                                                  |  |                                                                                                                                                                          |                                                                                                                                                                                                               |
| 2. The Department makes special efforts to reduce its dropout rate and increase its pass percentage.                                                                             |  |                                                                                                                                                                          |                                                                                                                                                                                                               |
| 3. The Department has a successful track record of students appearing and qualifying in competitive examinations.                                                                |  |                                                                                                                                                                          |                                                                                                                                                                                                               |

| Criterion wise Key Aspects with indicators                                                                                  |  | Commendations                                                                                                                                | Specific Recommendations |
|-----------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| <b>5.3 Student Participation and Activities</b>                                                                             |  | A wide spectrum of activities are being offered by the Department at various levels to identify and showcase the specific skill of students. | -                        |
| 1. The Department has a range of academic activities which contribute to overall development of students.                   |  |                                                                                                                                              |                          |
| 2. Active student participation through academic clubs is encouraged.                                                       |  |                                                                                                                                              |                          |
| 3. Department facilitates the contribution of students in the Departmental activities / newsletters etc.                    |  |                                                                                                                                              |                          |
| <b>Criterion VI: Institutional Values and Best Practices</b>                                                                |  |                                                                                                                                              |                          |
| <b>6.1 Environment Consciousness</b>                                                                                        |  | The entire curriculum presents elements of environment consciousness and social responsibility                                               | -                        |
| 1. Promotion of action oriented eco-friendly initiatives by the department                                                  |  |                                                                                                                                              |                          |
| 2. Practice of waste management by the department (e-waste, paper, plastics, biodegradables, chemicals, fluids, any other)  |  |                                                                                                                                              |                          |
| 3. Integration of subject specific environmental issues in the curriculum                                                   |  |                                                                                                                                              |                          |
| <b>6.2 Innovations</b>                                                                                                      |  | The highly innovative courses introduced by the Department such as Remote Sensing, GIS, Energy Audit etc. are remarkable.                    | -                        |
| 1. External experts are expected to identify the characteristics of the academic innovation demonstrated by the Department. |  |                                                                                                                                              |                          |
| <b>6.3 Best Practices</b>                                                                                                   |  | The innovative aspect is visible from the introduction of unieque Remote Sensing PG diploma program and Certificate program on medical       |                          |
| 1. External experts are expected to decide on the efficacy of the best practice highlighted by the Department.              |  |                                                                                                                                              |                          |
| <b>6.4 Strategic plans of the Department</b>                                                                                |  |                                                                                                                                              |                          |

| Criterion wise Key Aspects with indicators                                              |  | Commendations                                                                                                                                                                                                                                         | Specific Recommendations |
|-----------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| 1. The department has a structured action plan and schedules for its future development |  | <p>instrumentation, which is a rare phenomenon in Physics Departments of Arts and Science Colleges.</p> <p><b>The LiFE implementation through meaningful socially relevant undertakings is the best practice of the Department in my opinion.</b></p> |                          |

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**Department: Chemistry**

**Date of Audit: 06.09.2019**

Academic Expert: Dr. C.R. Ramanathan

Industrial Expert: Dr. Priya Rao

| Key Aspects                                           | Commendations | Specific Recommendations                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------------------------------------|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Criterion I: Curricular Aspects</b>                |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 1.1 Curriculum Design and Development                 |               | <p>The following topics may be included in the curriculum.</p> <ol style="list-style-type: none"><li>1. Polymer Chemistry (PG)</li><li>2. C-H activation /organo catalysis, visual light photocatalysis. (Basis for UG &amp; Advanced PG)</li></ol> <p>Topic on IPR to be included for both PG &amp; UG</p> <ul style="list-style-type: none"><li>• The Laboratory experiments should be relevant to the theory courses offered in that semester</li></ul> |
| 1.2 Curriculum Enrichment                             | -             | -                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 1.3 Feedback System                                   | -             | -                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Criterion II: Teaching—Learning and Evaluation</b> |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 2.1 Catering to Student Diversity                     | -             | Exit quiz for UG program may be introduced                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 2.2 Teaching-Learning Process                         | -             | <ul style="list-style-type: none"><li>• Effective use of models charts and other learning methodologies should be encouraged</li><li>• Quiz and group activities among PG students need to be increased</li></ul> <p>PG Program to be shifted to the morning session to improve students performance</p>                                                                                                                                                   |
| 2.3 Teacher Quality                                   | -             | -                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 2.4 Evaluation Process and Reforms                    | -             | -                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

| Key Aspects                                                                           | Commendations | Specific Recommendations                                                                                                                                                                                                                                                                                                                                                                       |
|---------------------------------------------------------------------------------------|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2.5 Student Performance and Learning Outcomes                                         | -             | -                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Criterion III: Research, Consultancy and Extension</b>                             |               |                                                                                                                                                                                                                                                                                                                                                                                                |
| 3.1 Enhancing the research qualities                                                  | -             | <ul style="list-style-type: none"> <li>• Student enrollment of research need to be increased</li> <li>• Ph.D Qualified faculty members can get the guide recognition and encouraged to do research guidance</li> </ul>                                                                                                                                                                         |
| 3.2 Resource Mobilization for Research                                                | -             | -                                                                                                                                                                                                                                                                                                                                                                                              |
| 3.3 Research Publications, Awards and Patents                                         | -             | Ph.D enrollment and Ph.D guideship must be enhanced                                                                                                                                                                                                                                                                                                                                            |
| 3.4 Consultancy                                                                       | -             | <ul style="list-style-type: none"> <li>• Consultation services to industry need to be strengthened</li> <li>• Faculty must attract industrial projects (short term projects)</li> </ul>                                                                                                                                                                                                        |
| 3.5 Institutional Social Responsibility (Service Learning / Life Frontier Engagement) | -             | -                                                                                                                                                                                                                                                                                                                                                                                              |
| 3.6 Collaborations and Networking                                                     | -             | Networking with industry must be encouraged through PPP model. (Public Private Partnership)                                                                                                                                                                                                                                                                                                    |
| <b>Criterion IV: Infrastructure and Learning Resources</b>                            |               |                                                                                                                                                                                                                                                                                                                                                                                                |
| 4.1 Laboratory & Physical Facilities                                                  | -             | <ul style="list-style-type: none"> <li>• More space for research</li> <li>• More number of balances and pH meters and other small equipment's are needful for better lab training</li> <li>• More sample-cell for spectrofluorometer instrument</li> <li>• Number of burette stand to be increased</li> <li>• Multiple copies of foreign author books for UG / PG programmes needed</li> </ul> |
| 4.2 Library (General and Department)                                                  | -             | -                                                                                                                                                                                                                                                                                                                                                                                              |

| Key Aspects                                  | Commendations | Specific Recommendations |
|----------------------------------------------|---------------|--------------------------|
| Criterion V: Student Support and Progression |               |                          |
| 5.1 Academic Support for Students            | -             | -                        |
| 5.2 Academic Progression of the Students     |               | -                        |
| 5.3 Student Participation and Activities     |               | -                        |
| Criterion VI: Innovations and Best Practices |               |                          |
| 6.1 Environment Consciousness                | -             | -                        |
| 6.2 Innovations                              | -             | -                        |
| 6.3 Best Practices                           | -             | -                        |
| 6.4 Strategic plans of the Department        | -             | -                        |

Areas required to be improved:

- It would be better if a creditable work (project) done by a group of students under LiFE is published to make it known to Health dept./ministry of Environment
- UG students can be motivated to pursue their PG program in universities across the country
- Preparation of chalk & soaps can be revived by the department

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**Department: Botany**

**Date of Audit:09.09.2019**

Academic Expert: Dr. M.M. Sudheer

Industrial Expert: Dr. J. Jeyavenkatesh

| Key Aspects                                               | Commendations | Specific Recommendations                                                                            |
|-----------------------------------------------------------|---------------|-----------------------------------------------------------------------------------------------------|
| <b>Criterion I: Curricular Aspects</b>                    |               |                                                                                                     |
| 1.1 Curriculum Design and Development                     | -             | Collaboration with other departments & institutions should be evidenced with the MOUs, Linkage etc. |
| 1.2 Curriculum Enrichment                                 | -             | Value added programme must be different from curriculum                                             |
| 1.3 Feedback System                                       | -             | -                                                                                                   |
| <b>Criterion II: Teaching—Learning and Evaluation</b>     |               |                                                                                                     |
| 2.1 Catering to Student Diversity                         | -             | -                                                                                                   |
| 2.2 Teaching-Learning Process                             | -             |                                                                                                     |
| 2.3 Teacher Quality                                       | -             | Teachers as well as students must be encouraged to attend training programmes                       |
| 2.4 Evaluation Process and Reforms                        | -             | -                                                                                                   |
| 2.5 Student Performance and Learning Outcomes             | -             | e-contents relevant to the subject prepared by the staff to be displayed in library site            |
| <b>Criterion III: Research, Consultancy and Extension</b> |               |                                                                                                     |
| 3.1 Enhancing the research qualities                      | -             | -                                                                                                   |
| 3.2 Resource Mobilization for Research                    | -             | -                                                                                                   |

| Key Aspects                                                                           | Commendations | Specific Recommendations                                                                                                            |
|---------------------------------------------------------------------------------------|---------------|-------------------------------------------------------------------------------------------------------------------------------------|
| 3.3 Research Publications, Awards and Patents                                         | -             | -                                                                                                                                   |
| 3.4 Consultancy                                                                       | -             | -                                                                                                                                   |
| 3.5 Institutional Social Responsibility (Service Learning / Life Frontier Engagement) | -             | -                                                                                                                                   |
| 3.6 Collaborations and Networking                                                     | -             | -                                                                                                                                   |
| Criterion IV: Infrastructure and Learning Resources                                   |               |                                                                                                                                     |
| 4.1 Laboratory Facilities                                                             | -             | -                                                                                                                                   |
| 4.2 Library (General and Department)                                                  | -             | -                                                                                                                                   |
| Criterion V: Student Support and Progression                                          |               |                                                                                                                                     |
| 5.1 Academic Support for Students                                                     | -             | More awareness programmes should be conducted to highlight the scope of job opportunities and integral approach to different fields |
| 5.2 Academic Progression of the Students                                              |               | -                                                                                                                                   |
| 5.3 Student Participation and Activities                                              |               | -                                                                                                                                   |
| Criterion VI: Innovations and Best Practices                                          |               |                                                                                                                                     |
| 6.1 Environment Consciousness                                                         | -             | -                                                                                                                                   |
| 6.2 Innovations                                                                       | -             | -                                                                                                                                   |
| 6.3 Best Practices                                                                    | -             | -                                                                                                                                   |
| 6.4 Strategic plans of the Department                                                 | -             | -                                                                                                                                   |

## Areas required to be improved:

- Individual faculty Blog is suggested to provide their contribution for students and public.
- Products made up with recycled paper could be given as value added products. Evidence for all product preparation by the students could be maintained.

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**Department: Zoology**

**Date : 30.08.2019**

Academic Expert: Dr. S. Ravichandra Reddy

Industrial Expert: Dr. A. Vanniarajan

The academic audit of the Dept of Zoology, Lady Doak College, Madurai for the period June 2016- May 2019 was carried out on Friday 30 Aug 2019 by Dr. S. Ravichandra Reddy, Former Acting Director, NAAC and Dr. A. Vanniarajan, Scientist, AMRF, Madurai .

Dr. Priyadharshini Rajendran, the IQAC coordinator briefed the auditors about the purpose of the audit and the expected work to be carried out by the auditors. Then Dr. Reddy and Dr. Vanniarajan were taken to the Dept of Zoology for interaction with the Head and Faculty members of the Dept.

Dr. Sarah Satyavathy, Head of the Dept gave a detailed presentation about the vision, mission, academic activities of the Dept. Besides, the NAAC criteria were used to present the information on the above aspects

### 1. Criterion I : Curricular aspects

Dept offers UG and PG programs in Zoology with Specialisation in Biotechnology. Considering the employability, entrepreneurship and skill development, the syllabus in the subjects has been designed, so that cross-cutting issues relevant to gender, human values and professional ethics also find a place. The coursework in each paper includes both theory and practical and in some, these are taught as combined units. Besides, students at UG and PG level are also exposed to project work and internships. Bioinformatics is also a part of the course. As far as possible, they have made the syllabus to be wholistic.

The syllabus is prepared by the faculty after obtaining oral feedback from parents and employees. BOS is represented by all the faculty members of the dept, one expert from industry, two experts from the subject, one expert from the university, one expert from the alumni and one student representative.

Based on the experience of offering biotechnology as a specialized subject and job opportunities for the student, the dept is now planning to retitle the course as B.Sc., Zoology in the coming year and M. Sc . Zoology subsequently. The dept is obtaining feedback from students and alumni about the contents of the syllabus and scope for employment.

#### Criterion II : Teaching, Learning and Evaluation

Dept has strength of 12 Faculty of which 9 faculty members have PhD degree and remaining 3 have M. Phil degree. Though their basic degree is Zoology, majority of the teachers are specialised in biotechnology. The teaching pedagogy includes lecture, discussion, seminar, assignments, problem solving, experimental methods, demonstrations, OSS, education tour and projects. Besides Chalk and Talk, the teachers use Google Classroom and online EBT in classroom to enable the students to understand the subjects effectively. The teachers also carry out remedial coaching and peer tutoring as and when required. They also change the teaching methodology as per the students' performance.

Students are also taken for industrial and environmental aspect visits. The dept also offers vocational courses and skill development courses in poultry farming, vermiculture and ornamental fish culture. The teachers strictly adhere to academic calendar. The slow learners are identified and special support is given to cope up with the learning abilities. In addition, communicative skills in the subject are also practised. Both UG and PG courses are offered in the semester system, tests are held at regular intervals and terminal exam is conducted at end of each semester. After declaration of the results, answer sheets are provided to all students before declaration of results and anomalies, if any are set right.

#### Criterion III: Research, Innovations and Extension

Though all the faculty members have a PhD/M. Phil degree, only a few of them are engaged in research. These faculty members are also active in obtaining financial support from funding agencies such as DBT, TNSCST, ICMR, PBRC and from internal sources. Many of the faculty members have published in peer reviewed journals, participated in regional/national conferences and presented papers. Some of the papers are published in high impact factor journals. One of the faculty member in collaboration with PBRC has filed a patent which is under inspection. The theme of extension activity is women and health. Besides science education for specially-abled students, teaching govt school children, in-service training program for secondary grade teachers and biology exhibitions were conducted.

#### Criterion IV: Learning resources

Dept library has 5,800 books shared between zoology and biotechnology. Free wifi for students and faculty is provided. Separate laboratory is available for UG, PG students and research scholars. These are equipped with modern equipments which is utilised by not only

by research scholars but also by students for their project work. The equipments are maintained by the financial support from the college. It is interesting to know there is a common research facility shared by zoology, botany, biotechnology, chemistry and physics dept and also maintained by a trained personnel.

#### Criterion V: Student support and Progression

Various fellowships, scholarships are offered and students are encouraged to apply. Dept also encourages students to participate in workshops and seminars at regional and national levels. Many students have participated in the academic competitions and brought laurels to the dept. Guidance is also given for taking up SET/CSIR-NET exams and competitive exams. During the last 3 years, 3 students had cleared SET and 1 cleared CSIR-NET. The dept also provides capacity enhancement to the students through personal counselling, mentoring and soft skills. Some of the alumni have been representing the BOS and few of them have been providing financial support through fees and scholarships. The Dept also encourages to take part in celebration of wildlife week, inter-collegiate meets, bird watching, listening to international speakers, interclass and interdepartmental competitions through Oikos club. They are also encouraged to write popular articles, news, poems and drawings of animals.

#### Criterion VI: Innovations and Best Practices

The dept claims eco-initiatives such as vermicomposting, water to birds and awareness on importance of biodiversity of butterflies and birds in campus as innovative practices. The dept has a well structured animal house which is projected as a best practice, however, it is not active at present. Usage of instruments by the students in the practical classes ( Hands-on- training) is considered as best practice. Dept has also carried out SWOC analysis, which highlights not only the strength and weakness but also the opportunities and challenges for the growth of dept.

Under the future plans, the dept wishes to start diploma courses in wild life biology, Medical Lab Technology and B.Sc., & MSc in wild life biology. One of the plans is to organise a annual seminar on reproductive health for mothers of students through specialists in gynaecology,

#### Observations of the Auditors:

1. Title of the course is Zoology Specialization in Biotechnology
2. The course content is much less in Zoology than Biotechnology both and UG and PG level
3. In Zoology, taxonomy has not received due consideration, which is the base for teaching and research in animal sciences
4. Although vocational courses are offered, certificate courses suggested by UGC are not forthcoming

5. While teaching pedagogy appears to be dynamic, the students are not exposed to subject specialists from outside the institutes who can deliver the updated information on the topics covered in syllabus
6. Due to space constraints, only one laboratory is available each for UG and PG courses.
7. Though they are exposed to the operations of the instruments, they need to move from one place to another.
8. Utilization of the tools for advanced learners for teachers/slow learners is not clearly evident
9. Project work seems to be dominated by biotechnology rather than zoology
10. Research committee of the dept is yet to be established
11. Although specialisation is in biotechnology, Interdisciplinary research has not been made much.
12. Extension activity through the adoption of the village continuously is not visible, which is essential for attaining the motto of women and health betterment
13. Both faculty and Research scholars have to share one room, which inhibits the students to come forward for the guidance or mentoring.
14. Though considerable amount is invested in animal house facility, keeping it idle leads to waste of resources and money.
15. While the students are encouraged to participate in seminars and academic competitions, there is no evidence for financial support from college
16. The same scenario is there for faculty as well.
17. Though the dept has a well maintained museum, the diversity of collected/procured fauna is not rich.
18. The suggested best practices do not adhere to the definition of best practices.

#### Recommendations:

1. As planned by the dept itself, the nomenclature of the course should be changed to Zoology both at UG and PG level so that more emphasis is given to Zoology as also there will be having great employment opportunities.
2. Instead of oral feedback of parents and alumni in regard to syllabus, it could be recorded and wherever necessary, their suggestions need to be incorporated
3. It is also good to have feedback on the syllabus from subject experts not only from specialists but also from universities offering these courses.
4. The dept could establish a research committee so that all the teachers are given guidance and support for both major and minor research projects funded by various bodies in the country.
5. The dept could also plan to organise a conference/seminar on the present theme in the subject every 3 years so that students and faculty get exposed to latest developments in the field.

6. The dept should make efforts to impress upon the management to provide adequate space for developing additional laboratories for students and research scholars.
7. As there is project work involved for students, the dept should start a in-house journal for publishing their research finding
8. All the teachers must make efforts to publish at least one paper every year either in peer reviewed national and international journal which falls in the realm of UGC guidelines
9. Efforts must be made to attract students from other districts of Tamil Nadu and neighbouring states.
10. The faculty keeping in mind the requirement of best practice should identify the same.

Both the members of the audit express their humble thanks and appreciation to the faculty of the Dept and Principal for providing an opportunity to visit the Dept of Zoology.

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**Department: BBA**

**Date of Audit: 30.08.2019**

Academic Expert: Dr.G.Raju

Industrial Expert: Mr. Promod Joseph

| Key Aspects                                           | Commendations                                                                                                                                                            | Specific Recommendations                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Criterion I: Curricular Aspects</b>                |                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                        |
| 1.1 Curriculum Design and Development                 | <ul style="list-style-type: none"><li>Curriculum towards overall development of the students Appreciated</li><li>Consultation with stake holders – appreciated</li></ul> | <ul style="list-style-type: none"><li>Introduce business analytics and international business</li><li>Labour laws-make it current with a revision to latest trend</li><li>BBA courses to be revised periodically</li><li>More consultation and opportunity to be added</li><li>Industry experts, alumni, professional bodies to be given representation in curriculum design</li></ul> |
| 1.2 Curriculum Enrichment                             | Value-added programmes Appreciated                                                                                                                                       | <ul style="list-style-type: none"><li>Have specific interview and test training</li><li>Regular programs to be conducted every semester</li></ul>                                                                                                                                                                                                                                      |
| 1.3 Feedback System                                   | Appreciated the mentor system and online compulsory feed back system                                                                                                     | External evaluation to be included                                                                                                                                                                                                                                                                                                                                                     |
| <b>Criterion II: Teaching—Learning and Evaluation</b> |                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                        |
| 2.1 Catering to Student Diversity                     | Appreciated remedial classes                                                                                                                                             | <ul style="list-style-type: none"><li>More classes to be introduced</li><li>Merit scholarship to be introduced for students</li></ul>                                                                                                                                                                                                                                                  |
| 2.2 Teaching-Learning Process                         | Appreciated use of Google class rooms.                                                                                                                                   | <ul style="list-style-type: none"><li>To have specific roles or deliverables to mentors</li><li>Case studies to be introduced</li></ul>                                                                                                                                                                                                                                                |
| 2.3 Teacher Quality                                   | Appreciated                                                                                                                                                              | <ul style="list-style-type: none"><li>Bring industry on regular basis</li></ul>                                                                                                                                                                                                                                                                                                        |

| Key Aspects                                                                           | Commendations                                                                                                  | Specific Recommendations                                                                                                                                                                                                                         |
|---------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                       | paper presentations and attending out side events.                                                             | <ul style="list-style-type: none"> <li>The department should be given the freedom to organize programs for in-service faculty</li> <li>Monetary benefits to be offered for faculty to get higher qualifications like M.Phil and Ph.D.</li> </ul> |
| 2.4 Evaluation Process and Reforms                                                    | Appreciated                                                                                                    | <ul style="list-style-type: none"> <li>Regular orientation and exposure to different opportunities to be introduced</li> </ul>                                                                                                                   |
| 2.5 Student Performance and Learning Outcomes                                         | Appreciated                                                                                                    | <ul style="list-style-type: none"> <li>Objective learning outcome to be followed</li> <li>External faculty to be brought in on regular basis</li> </ul>                                                                                          |
| <b>Criterion III: Research, Consultancy and Extension</b>                             |                                                                                                                |                                                                                                                                                                                                                                                  |
| 3.1 Enhancing the research qualities                                                  | -                                                                                                              | <ul style="list-style-type: none"> <li>Steps to be taken in converting to PG and Research department</li> </ul>                                                                                                                                  |
| 3.2 Resource Mobilization for Research                                                | -                                                                                                              | <ul style="list-style-type: none"> <li>Awareness on funding opportunities to be imparted to faculty members</li> </ul>                                                                                                                           |
| 3.3 Research Publications, Awards and Patents                                         | Appreciated                                                                                                    | <ul style="list-style-type: none"> <li>To work on more interdepartmental research</li> <li>To introduce applied management research than theoretical management</li> </ul>                                                                       |
| 3.4 Consultancy                                                                       | Appreciated the start                                                                                          | <ul style="list-style-type: none"> <li>To engage with NGO's to work on more projects that make a difference to society.</li> <li>To involve students in the work</li> </ul>                                                                      |
| 3.5 Institutional Social Responsibility (Service Learning / Life Frontier Engagement) | Highly appreciated                                                                                             | <ul style="list-style-type: none"> <li>LFE to be made a routine event. Like village adoption, financial inclusion etc.,</li> </ul>                                                                                                               |
| 3.6 Collaborations and Networking                                                     | Appreciated the participation of students - International university in Japan and U.S. industry bodies (MOU's) | <ul style="list-style-type: none"> <li>To give credit for students attending industry networking events</li> </ul>                                                                                                                               |
| <b>Criterion IV: Infrastructure and Learning Resources</b>                            |                                                                                                                |                                                                                                                                                                                                                                                  |

| Key Aspects                                         | Commendations                             | Specific Recommendations                                                                                                                                                                                                                 |
|-----------------------------------------------------|-------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4.1 Laboratory & Physical Facilities                | -                                         | <ul style="list-style-type: none"> <li>• Separate class rooms for BBA</li> <li>• Shift system to be gradually removed to introduce full time day classes</li> </ul>                                                                      |
| 4.2 Library (General and Department)                | Appreciated exhaustive use by PG students | <ul style="list-style-type: none"> <li>• To give more out of syllabus work to encourage students to refer library</li> <li>• Faculty in-charge needed</li> </ul>                                                                         |
| <b>Criterion V: Student Support and Progression</b> |                                           |                                                                                                                                                                                                                                          |
| 5.1 Academic Support for Students                   | -                                         | <ul style="list-style-type: none"> <li>• Department placement activities to be conducted</li> <li>• Financial cell for economically weaker students</li> </ul>                                                                           |
| 5.2 Academic Progression of the Students            | Appreciated                               | <ul style="list-style-type: none"> <li>• Objective evaluation of students getting into higher education</li> </ul>                                                                                                                       |
| 5.3 Student Participation and Activities            | Appreciated                               |                                                                                                                                                                                                                                          |
| <b>Criterion VI: Innovations and Best Practices</b> |                                           |                                                                                                                                                                                                                                          |
| 6.1 Environment Consciousness                       | -                                         | -                                                                                                                                                                                                                                        |
| 6.2 Innovations                                     | -                                         | -                                                                                                                                                                                                                                        |
| 6.3 Best Practices                                  | -                                         | -                                                                                                                                                                                                                                        |
| 6.4 Strategic plans of the Department               | -                                         | <ul style="list-style-type: none"> <li>• MBA to be introduced.</li> <li>• Incubator to be started</li> <li>• Short term executive program to be introduced</li> <li>• Finishing school for department to focus on soft skills</li> </ul> |

## General Commendations:

The Department exhibited a consistent overall commitment to the student community. The curriculum, teaching and other facilities is upto the mark and we are highly appreciative of the quality and execution of courses.

Areas required to be improved:

- Start MBA & Diploma course
- Quality circle
- Business networking centres
- Consultancy

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**Department: Biotechnology**

**Date of Audit: 13.09.2019**

Academic Expert: Dr. Sekar

Industrial Expert: Dr. Packiyalakshmi

| Key Aspects                            | Commendations                                                                                                   | Specific Recommendations                                                                                                                                                                                                                                                                                                                 |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Criterion I: Curricular Aspects</b> |                                                                                                                 |                                                                                                                                                                                                                                                                                                                                          |
| 1.1 Curriculum Design and Development  | Well designed curriculum structure with apt course content in both UG and PG                                    | <ul style="list-style-type: none"><li>• Interdisciplinary courses with other departments has to be strengthened</li><li>• Bioinformatics paper in UG may be shifted from electives to core paper</li><li>• In UG programme, computer courses with programming can be added to meet student expectations &amp; job requirements</li></ul> |
| 1.2 Curriculum Enrichment              | <ul style="list-style-type: none"><li>• Systematically executed</li></ul>                                       | <ul style="list-style-type: none"><li>• Strengthening of interdisciplinary courses in general and computer courses in UG Level</li></ul>                                                                                                                                                                                                 |
| 1.3 Feedback System                    | <ul style="list-style-type: none"><li>• Incorporation of students and parents feedback is appreciable</li></ul> | <ul style="list-style-type: none"><li>• A system of evaluation and grading of students by the teachers has to be implemented and weightage</li></ul>                                                                                                                                                                                     |

| Key Aspects                                        | Commendations                                                                                                                                                                    | Specific Recommendations                                                                                                                                                                                                                                                                    |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                    |                                                                                                                                                                                  | points for the students / class should be given                                                                                                                                                                                                                                             |
| Criterion II: Teaching—Learning and Evaluation     |                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                             |
| 2.1 Catering to Student Diversity                  | <ul style="list-style-type: none"><li>Students from diverse fields like microbiology, Botany, Zoology or immunology are oriented towards the curriculum is appreciated</li></ul> | -                                                                                                                                                                                                                                                                                           |
| 2.2 Teaching-Learning Process                      | <ul style="list-style-type: none"><li>Adoption of various and modern methods of teaching – learning is appreciable</li></ul>                                                     |                                                                                                                                                                                                                                                                                             |
| 2.3 Teacher Quality                                | <ul style="list-style-type: none"><li>Dedicated Teaching is the real strength.</li><li>Motivating students towards innovation and creativity is appreciated</li></ul>            |                                                                                                                                                                                                                                                                                             |
| 2.4 Evaluation Process and Reforms                 | Adoption of Key-based evaluation system eliminating bias is appreciated                                                                                                          |                                                                                                                                                                                                                                                                                             |
| 2.5 Student Performance and Learning Outcomes      | -                                                                                                                                                                                |                                                                                                                                                                                                                                                                                             |
| Criterion III: Research, Consultancy and Extension |                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                             |
| 3.1 Enhancing the research qualities               | Screening through RCPC is splendid                                                                                                                                               | <ul style="list-style-type: none"><li>Limitation faced in executing MOU with industries and institutes due to self-financing nature of the department has to be overcome</li><li>Funding provisions to department should be improved for procuring instruments, consumables etc.,</li></ul> |

| Key Aspects                                                                           | Commendations                                                                                    | Specific Recommendations                                                                                                                                                                                                                                                        |
|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3.2 Resource Mobilization for Research                                                | -                                                                                                | <ul style="list-style-type: none"> <li>Industry sponsored projects will enhance job opportunities to students also</li> </ul>                                                                                                                                                   |
| 3.3 Research Publications, Awards and Patents                                         | -                                                                                                | <ul style="list-style-type: none"> <li>Collaboration with industries has to be promote</li> <li>Final semester should be dedicated only for projects. This will support placement also</li> <li>Enable faculty to get research guideship recognition from University</li> </ul> |
| 3.4 Consultancy                                                                       | -                                                                                                | <ul style="list-style-type: none"> <li>Institution promotion of these activities are required</li> </ul>                                                                                                                                                                        |
| 3.5 Institutional Social Responsibility (Service Learning / Life Frontier Engagement) | Extension and awareness programmes towards rural community is commendable.                       | -                                                                                                                                                                                                                                                                               |
| 3.6 Collaborations and Networking                                                     | -                                                                                                | Institutional mechanism of promoting these activities has to be executed.                                                                                                                                                                                                       |
| <b>Criterion IV: Infrastructure and Learning Resources</b>                            |                                                                                                  |                                                                                                                                                                                                                                                                                 |
| 4.1 Laboratory & Physical Facilities                                                  | Presence of organizes and maintained laboratories for both teaching and research is commendable. | -                                                                                                                                                                                                                                                                               |
| 4.2 Library (General and Department)                                                  | -                                                                                                | -                                                                                                                                                                                                                                                                               |
| <b>Criterion V: Student Support and Progression</b>                                   |                                                                                                  |                                                                                                                                                                                                                                                                                 |
| 5.1 Academic Support for Students                                                     | -                                                                                                | Placement programmes in Biotechnology has to be executed.                                                                                                                                                                                                                       |
| 5.2 Academic Progression of the Students                                              |                                                                                                  | -                                                                                                                                                                                                                                                                               |
| 5.3 Student Participation and Activities                                              |                                                                                                  | -                                                                                                                                                                                                                                                                               |

| Key Aspects                                         | Commendations                                                                                                             | Specific Recommendations                                                                   |
|-----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| <b>Criterion VI: Innovations and Best Practices</b> |                                                                                                                           |                                                                                            |
| 6.1 Environment Consciousness                       | -                                                                                                                         | -                                                                                          |
| 6.2 Innovations                                     | Medicinal plant validation, Tissue engineering and regenerative medicine and Expertise in macro fungi and immunostimulant | Financial support to patenting and renewal has to be implemented. (by 'IPR Cell' Creation) |
| 6.3 Best Practices                                  | Promoting summer training and community based projects                                                                    | -                                                                                          |
| 6.4 Strategic plans of the Department               | -                                                                                                                         | -                                                                                          |

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**Department: Computer Science**

**Date of Audit: 21.08.2019**

Academic Expert: Mr. Jerald Inico

Industrial Expert: Mr. Antony Raj

| Key Aspects                            | Commendations | Specific Recommendations                                                                                                                     |
|----------------------------------------|---------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Criterion I: Curricular Aspects</b> |               |                                                                                                                                              |
| 1.1 Curriculum Design and Development  | -             | <ul style="list-style-type: none"> <li>Global Development needs to be addressed</li> <li>Global Competencies need to be addressed</li> </ul> |
| 1.2 Curriculum Enrichment              | -             | <ul style="list-style-type: none"> <li>Soft skills improvement programme to be included</li> </ul>                                           |
| 1.3 Feedback System                    | -             | -                                                                                                                                            |

| Key Aspects                                                                           | Commendations | Specific Recommendations                                                           |
|---------------------------------------------------------------------------------------|---------------|------------------------------------------------------------------------------------|
| <b>Criterion II: Teaching—Learning and Evaluation</b>                                 |               |                                                                                    |
| 2.1 Catering to Student Diversity                                                     | -             | Improved approach required for slow learners                                       |
| 2.2 Teaching-Learning Process                                                         | -             | More internships/workshops required                                                |
| 2.3 Teacher Quality                                                                   | -             | -                                                                                  |
| 2.4 Evaluation Process and Reforms                                                    | -             | Online Feedback for all stake holders is required                                  |
| 2.5 Student Performance and Learning Outcomes                                         | -             | Need improvement                                                                   |
| <b>Criterion III: Research, Consultancy and Extension</b>                             |               |                                                                                    |
| 3.1 Enhancing the research qualities                                                  | -             | Need to strengthen for more Govt. Projects.<br>Need attention.<br>Need improvement |
| 3.2 Resource Mobilization for Research                                                | -             | Need much attention                                                                |
| 3.3 Research Publications, Awards and Patents                                         | -             | Must Strengthen research related activities.                                       |
| 3.4 Consultancy                                                                       | -             | -                                                                                  |
| 3.5 Institutional Social Responsibility (Service Learning / Life Frontier Engagement) | -             | -                                                                                  |
| 3.6 Collaborations and Networking                                                     | -             | -                                                                                  |
| <b>Criterion IV: Infrastructure and Learning Resources</b>                            |               |                                                                                    |
| 4.1 Laboratory Facilities                                                             | -             | -                                                                                  |
| 4.2 Library (General and Department)                                                  | -             | -                                                                                  |
| <b>Criterion V: Student Support and Progression</b>                                   |               |                                                                                    |
| 5.1 Academic Support for Students                                                     | -             | Improvement is necessary                                                           |

| Key Aspects                                  | Commendations | Specific Recommendations        |
|----------------------------------------------|---------------|---------------------------------|
| 5.2 Academic Progression of the Students     |               | -                               |
| 5.3 Student Participation and Activities     |               | -                               |
| Criterion VI: Innovations and Best Practices |               |                                 |
| 6.1 Environment Consciousness                | -             | -                               |
| 6.2 Innovations                              | -             | Need more focus on presentation |
| 6.3 Best Practices                           | -             | Need more attention             |
| 6.4 Strategic plans of the Department        | -             | -                               |

### **Areas required to be improved:**

- Global Competencies were not evident
- Innovative teaching methods were not evident in the present although the department was doing it.
- Please have a Co-PI for all projects submitted to funding agencies
- Find out the possibility of acquiring guideship in other /deemed universities
- Publications in reputed journals to be made in order to increase visibility
- To find institutions/companies of repute for PG students to do their academic project (Real – time projects)
- Efforts have to be taken to securities parents to enable their ward to participate in the work force
- Concerted efforts to be taken for student placements in diverse fields as they venters out to a sea of opportunities
- Final year students to be trained to make them industry ready specially to fare aptitude tests and to improve communication skills
- Online tools for communication to be introduced to the final year students

### **General Observations:**

- Slides to have light background with dark letters.
- Language to be checked (Capital & Small letters)
- All evidence to be downloaded. Hyper link will work better as it takes a long time for the document to be downloaded from the drive.
- Crom-check the Integrated curricular model slide with the Deans Office.

- Highlights of the Department (with relevance to NAA) to be evident in the presentation.
- Strength of the department to be presented in a manner, that catches the eye of the observer.
- Contribution/Participation of all the faculty members was evident in the discussion and is appreciated.
- Responsibilities of the Department to be allocated in keeping with the passion and merit of the faculty member and to be distributed equally.
- Agency suggested by Dr. Jerald Inico for training in communication skills  
Smart Training Services : Ms. Archana - 9840334843

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## **Department: Fashion Designing**

**Date of Audit: 06.09.2019**

Academic Expert: Dr. R. Latha

Industrial Expert: Mr. M. Elango

| Key Aspects                                           | Commendations                                                                                                       | Specific Recommendations                                                                                                                                           |
|-------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Criterion I: Curricular Aspects</b>                |                                                                                                                     |                                                                                                                                                                    |
| 1.1 Curriculum Design and Development                 | Well designed curriculum                                                                                            | <ul style="list-style-type: none"> <li>• One internship with one month duration should be mandated.</li> <li>• Another internship with 15 days duration</li> </ul> |
| 1.2 Curriculum Enrichment                             | -                                                                                                                   | -                                                                                                                                                                  |
| 1.3 Feedback System                                   | -                                                                                                                   | -                                                                                                                                                                  |
| <b>Criterion II: Teaching—Learning and Evaluation</b> |                                                                                                                     |                                                                                                                                                                    |
| 2.1 Catering to Student Diversity                     |                                                                                                                     | Remedial classes for the slow learners to be organized                                                                                                             |
| 2.2 Teaching-Learning Process                         | <ul style="list-style-type: none"> <li>• Portfolio presentation provides a huge platform to showcase the</li> </ul> | -                                                                                                                                                                  |

| Key Aspects                                                                           | Commendations                                                                                              | Specific Recommendations                                                                                                                       |
|---------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                       | creativity of students<br>• Styling and photography also provide an opportunity to show the innovativeness |                                                                                                                                                |
| 2.3 Teacher Quality                                                                   | -                                                                                                          |                                                                                                                                                |
| 2.4 Evaluation Process and Reforms                                                    | • Transparency practice is commendable                                                                     |                                                                                                                                                |
| 2.5 Student Performance and Learning Outcomes                                         |                                                                                                            |                                                                                                                                                |
| Criterion III: Research, Consultancy and Extension                                    |                                                                                                            |                                                                                                                                                |
| 3.1 Enhancing the research qualities                                                  | -                                                                                                          | Needs: (Laboratory)<br>• Full Length mirrors<br>• Ironing Board and steam iron.<br>• Computerized embroidery machine<br>• Stone fixing machine |
| 3.2 Resource Mobilization for Research                                                | -                                                                                                          | -                                                                                                                                              |
| 3.3 Research Publications, Awards and Patents                                         | -                                                                                                          | -                                                                                                                                              |
| 3.4 Consultancy                                                                       | -                                                                                                          | -                                                                                                                                              |
| 3.5 Institutional Social Responsibility (Service Learning / Life Frontier Engagement) | -                                                                                                          | -                                                                                                                                              |
| 3.6 Collaborations and Networking                                                     | -                                                                                                          | -                                                                                                                                              |
| Criterion IV: Infrastructure and Learning Resources                                   |                                                                                                            |                                                                                                                                                |
| 4.1 Laboratory Facilities                                                             | -                                                                                                          | -                                                                                                                                              |
| 4.2 Library (General and Department)                                                  | -                                                                                                          | -                                                                                                                                              |

| Key Aspects                                  | Commendations | Specific Recommendations                                                                                                                                                 |
|----------------------------------------------|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Criterion V: Student Support and Progression |               |                                                                                                                                                                          |
| 5.1 Academic Support for Students            | -             | -                                                                                                                                                                        |
| 5.2 Academic Progression of the Students     |               | -                                                                                                                                                                        |
| 5.3 Student Participation and Activities     |               | -                                                                                                                                                                        |
| Criterion VI: Innovations and Best Practices |               |                                                                                                                                                                          |
| 6.1 Environment Consciousness                | -             | <ul style="list-style-type: none"><li>Industrial effluents spoiling the water bodies and land could be incorporated in the curriculum as “Effluent Treatments”</li></ul> |
| 6.2 Innovations                              | -             | -                                                                                                                                                                        |
| 6.3 Best Practices                           | -             | -                                                                                                                                                                        |
| 6.4 Strategic plans of the Department        | -             | -                                                                                                                                                                        |

### Areas required to be improved:

- Generally more of investment in lab infrastructure Lab assistant is a must for any course with lab work
- Improving on number of books in the library has not been tried.
- Peer learning to be implemented
- The course should have a sizeable proportion of men's fashion also
- Best practice has to be identified

### Internal Expert personal comment:

The people who were auditing were familiar with the department, in both academics and internship programmes. An external auditor, totally unfamiliar with the department and possibly someone from a metro can give the department a higher bench mark to rise up to and indicate all those areas that need to be strengthened

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### **Department: Physical Education**

**Date of Audit: 09.09.2019**

Academic Expert: Dr. K. Chandrasekaran

Industrial Expert: Mr. A. Murugan

| Key Aspects                                           | Commendations                                                                                                                                                                                                                                                | Specific Recommendations     |
|-------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
| <b>Criterion I: Curricular Aspects</b>                |                                                                                                                                                                                                                                                              |                              |
| 1.1 Curriculum Design and Development                 | <ul style="list-style-type: none"> <li>• More relevant curricular design</li> <li>• Developed to the National level</li> <li>• Holistic development is maintained</li> <li>• Consultation with academic experts - all the components are involved</li> </ul> | Global level to be developed |
| 1.2 Curriculum Enrichment                             | -                                                                                                                                                                                                                                                            | -                            |
| 1.3 Feedback System                                   | -                                                                                                                                                                                                                                                            | -                            |
| <b>Criterion II: Teaching—Learning and Evaluation</b> |                                                                                                                                                                                                                                                              |                              |
| 2.1 Catering to Student Diversity                     | <ul style="list-style-type: none"> <li>• Orientation program-</li> </ul>                                                                                                                                                                                     | -                            |

| Key Aspects                                               | Commendations                                                                                                                          | Specific Recommendations                                                                                                                                                          |
|-----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                           | periodically conducted<br><ul style="list-style-type: none"> <li>Progressive method of teaching learning is used</li> </ul>            |                                                                                                                                                                                   |
| 2.2 Teaching-Learning Process                             | <ul style="list-style-type: none"> <li>To some extent mentor- system followed particular Individual attention to be focused</li> </ul> | <ul style="list-style-type: none"> <li>Fitness centre to be Established.</li> <li>Particularly individual attention to students is to be focused.(Mentor &amp; Mentee)</li> </ul> |
| 2.3 Teacher Quality                                       | -                                                                                                                                      | <ul style="list-style-type: none"> <li>Only two faculty available</li> <li>One more specific sports Trainer is needed</li> <li>More specialised programme is needed</li> </ul>    |
| 2.4 Evaluation Process and Reforms                        | -                                                                                                                                      | -                                                                                                                                                                                 |
| 2.5 Student Performance and Learning Outcomes             | -                                                                                                                                      | <ul style="list-style-type: none"> <li>Specific improvement measures to be added</li> </ul>                                                                                       |
| <b>Criterion III: Research, Consultancy and Extension</b> |                                                                                                                                        |                                                                                                                                                                                   |
| 3.1 Enhancing the research qualities                      | <ul style="list-style-type: none"> <li>Various sports Training is given to students to encourage sports performance</li> </ul>         | <ul style="list-style-type: none"> <li>Still more modern equipment to be included.</li> <li>Research - Must be initiated</li> </ul>                                               |
| 3.2 Resource Mobilization for Research                    | <ul style="list-style-type: none"> <li>The Department received UGC-grants for the purchase of fitness/sports equipment</li> </ul>      | -                                                                                                                                                                                 |
| 3.3 Research Publications, Awards and Patents             | <ul style="list-style-type: none"> <li>One paper published</li> <li>Partial involvement in research</li> </ul>                         | <ul style="list-style-type: none"> <li>Need to be motivated</li> </ul>                                                                                                            |
| 3.4 Consultancy                                           | <ul style="list-style-type: none"> <li>Consultancy is provided free of cost</li> </ul>                                                 | On free of cost ground may be provided to public                                                                                                                                  |

| Key Aspects                                                                           | Commendations                                                                                                                                                                                                | Specific Recommendations                                                                                                         |
|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
|                                                                                       | <ul style="list-style-type: none"> <li>Coaching Assistance given to various school players</li> <li>Services rendered only on free of cost</li> <li>Senior skilled players provide their services</li> </ul> |                                                                                                                                  |
| 3.5 Institutional Social Responsibility (Service Learning / Life Frontier Engagement) | Enhances sports performance                                                                                                                                                                                  | Extension activities – to be followed                                                                                            |
| 3.6 Collaborations and Networking                                                     | -                                                                                                                                                                                                            | -                                                                                                                                |
| <b>Criterion IV: Infrastructure and Learning Resources</b>                            |                                                                                                                                                                                                              |                                                                                                                                  |
| 4.1 Laboratory & Physical Facilities                                                  | -                                                                                                                                                                                                            | <ul style="list-style-type: none"> <li>A fitness Centre Lab must be established</li> <li>Modern equipment to be added</li> </ul> |
| 4.2 Library (General and Department)                                                  | -                                                                                                                                                                                                            | <ul style="list-style-type: none"> <li>Journals, e-books are yet to be added</li> <li>Modernization is needed</li> </ul>         |
| <b>Criterion V: Student Support and Progression</b>                                   |                                                                                                                                                                                                              |                                                                                                                                  |
| 5.1 Academic Support for Students                                                     | -                                                                                                                                                                                                            | -                                                                                                                                |
| 5.2 Academic Progression of the Students                                              | -                                                                                                                                                                                                            | -                                                                                                                                |
| 5.3 Student Participation and Activities                                              | -                                                                                                                                                                                                            | -                                                                                                                                |
| <b>Criterion VI: Innovations and Best Practices</b>                                   |                                                                                                                                                                                                              |                                                                                                                                  |
| 6.1 Environment Consciousness                                                         | -                                                                                                                                                                                                            | -                                                                                                                                |
| 6.2 Innovations                                                                       | <ul style="list-style-type: none"> <li>Introduction of diploma in Fitness Training - appreciated</li> </ul>                                                                                                  | -                                                                                                                                |
| 6.3 Best Practices                                                                    | <ul style="list-style-type: none"> <li>Course is well structured.</li> </ul>                                                                                                                                 | -                                                                                                                                |

| Key Aspects                           | Commendations                                                                     | Specific Recommendations |
|---------------------------------------|-----------------------------------------------------------------------------------|--------------------------|
|                                       | <ul style="list-style-type: none"> <li>• More useful to women students</li> </ul> |                          |
| 6.4 Strategic plans of the Department | -                                                                                 | -                        |

Areas required to be improved:

- Mentor – Mentee interaction to be recorded
- Google class room to be followed
- Physical facilities have to be enhanced
- Can organize a fitness centre
- e-books and journals to be included

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**Department: Hindi**

**Date of Audit:04.09.2019**

Academic Expert: Dr. Shaik Kareemullah

Industrial Expert: Dr.Surya Bali Prasad

| Key Aspects                                           | Commendations                                            | Specific Recommendations                                                                                                                   |
|-------------------------------------------------------|----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Criterion I: Curricular Aspects</b>                |                                                          |                                                                                                                                            |
| 1.1 Curriculum Design and Development                 | <ul style="list-style-type: none"> <li>• Good</li> </ul> | -                                                                                                                                          |
| 1.2 Curriculum Enrichment                             | -                                                        | <ul style="list-style-type: none"> <li>• Improvement Required in interdisciplinary areas</li> </ul>                                        |
| 1.3 Feedback System                                   | -                                                        | <ul style="list-style-type: none"> <li>• Improvement Required</li> </ul>                                                                   |
| <b>Criterion II: Teaching—Learning and Evaluation</b> |                                                          |                                                                                                                                            |
| 2.1 Catering to Student Diversity                     | -                                                        | <ul style="list-style-type: none"> <li>• Orientation and re-orientation programmes, Academic Advising - Improvement Required.</li> </ul>   |
| 2.2 Teaching-Learning Process                         | -                                                        | <ul style="list-style-type: none"> <li>• ICT enabled teaching &amp; Learning, Field trip &amp; projects - Improvement Required.</li> </ul> |

| Key Aspects                                                                           | Commendations                                               | Specific Recommendations                                                                         |
|---------------------------------------------------------------------------------------|-------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
|                                                                                       |                                                             | <ul style="list-style-type: none"> <li>Mentor – Mentee Special care should be given</li> </ul>   |
| 2.3 Teacher Quality                                                                   | -                                                           | <ul style="list-style-type: none"> <li>Improvement Required.</li> </ul>                          |
| 2.4 Evaluation Process and Reforms                                                    | <ul style="list-style-type: none"> <li>Well done</li> </ul> | -                                                                                                |
| 2.5 Student Performance and Learning Outcomes                                         | <ul style="list-style-type: none"> <li>Well done</li> </ul> | -                                                                                                |
| <b>Criterion III: Research, Consultancy and Extension</b>                             |                                                             |                                                                                                  |
| 3.1 Enhancing the research qualities                                                  | -                                                           | -                                                                                                |
| 3.2 Resource Mobilization for Research                                                | -                                                           | -                                                                                                |
| 3.3 Research Publications, Awards and Patents                                         | -                                                           | <ul style="list-style-type: none"> <li>Improvement needed</li> </ul>                             |
| 3.4 Consultancy                                                                       | -                                                           | -                                                                                                |
| 3.5 Institutional Social Responsibility (Service Learning / Life Frontier Engagement) | -                                                           | NA                                                                                               |
| 3.6 Collaborations and Networking                                                     | -                                                           | <ul style="list-style-type: none"> <li>Improvement needed</li> </ul>                             |
| <b>Criterion IV: Infrastructure and Learning Resources</b>                            |                                                             |                                                                                                  |
| 4.1 Laboratory & Physical Facilities                                                  | -                                                           | <ul style="list-style-type: none"> <li>Improvement needed</li> </ul>                             |
| 4.2 Library (General and Department)                                                  | -                                                           | <ul style="list-style-type: none"> <li>Improvement needed special attention required.</li> </ul> |
| <b>Criterion V: Student Support and Progression</b>                                   |                                                             |                                                                                                  |
| 5.1 Academic Support for Students                                                     | Good                                                        | <ul style="list-style-type: none"> <li>Alumnae contact Special Attention needed</li> </ul>       |
| 5.2 Academic Progression of the Students                                              |                                                             | -                                                                                                |
| 5.3 Student Participation and Activities                                              |                                                             | -                                                                                                |

| Key Aspects                                         | Commendations | Specific Recommendations |
|-----------------------------------------------------|---------------|--------------------------|
| <b>Criterion VI: Innovations and Best Practices</b> |               |                          |
| 6.1 Environment Consciousness                       | Good          | -                        |
| 6.2 Innovations                                     | Good          | -                        |
| 6.3 Best Practices                                  | Good          | -                        |
| 6.4 Strategic plans of the Department               | -             | -                        |

### Areas required to be improved:

#### ➤ Can introduce courses for PG students (Elective NME)

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**Department: French**

**Date of Audit: 13.09.2019**

Academic Expert: Dr. Sharmila Acharif

Industrial Expert: Mr. M Milton Powers

| Key Aspects                                           | Commendations                                                                     | Specific Recommendations                                                                                                                                                             |
|-------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Criterion I: Curricular Aspects</b>                |                                                                                   |                                                                                                                                                                                      |
| 1.1 Curriculum Design and Development                 | -                                                                                 | <ul style="list-style-type: none"> <li>• Introduction of Basic Level French under Part I.</li> <li>• Business French &amp; translation oriented courses can be introduced</li> </ul> |
| 1.2 Curriculum Enrichment                             | -                                                                                 | <ul style="list-style-type: none"> <li>• Value added program with specific objective like spoken French can be introduced</li> </ul>                                                 |
| 1.3 Feedback System                                   | -                                                                                 | -                                                                                                                                                                                    |
| <b>Criterion II: Teaching—Learning and Evaluation</b> |                                                                                   |                                                                                                                                                                                      |
| 2.1 Catering to Student Diversity                     | <ul style="list-style-type: none"> <li>• Department organizes relevant</li> </ul> | -                                                                                                                                                                                    |

| Key Aspects                                                                           | Commendations                                                                                                                                                                          | Specific Recommendations                                                                                                                                       |
|---------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                       | orientation programs to cater to needs of the students                                                                                                                                 |                                                                                                                                                                |
| 2.2 Teaching-Learning Process                                                         | <ul style="list-style-type: none"><li>• Good encouragement by faculty in interactive learning methods.</li><li>• Opportunities are created by the Department for creativity.</li></ul> | <ul style="list-style-type: none"><li>• Strongly recommended for ICT enabled class rooms exclusively for French students.</li></ul>                            |
| 2.3 Teacher Quality                                                                   | -                                                                                                                                                                                      | <ul style="list-style-type: none"><li>• More faculty should be recruited.</li><li>• Consideration to enable the faculty to attend enrichment program</li></ul> |
| 2.4 Evaluation Process and Reforms                                                    | <ul style="list-style-type: none"><li>• Right evaluation methodology is followed on par with the curriculum</li></ul>                                                                  | -                                                                                                                                                              |
| 2.5 Student Performance and Learning Outcomes                                         |                                                                                                                                                                                        |                                                                                                                                                                |
| Criterion III: Research, Consultancy and Extension                                    |                                                                                                                                                                                        |                                                                                                                                                                |
| 3.1 Enhancing the research qualities                                                  | -                                                                                                                                                                                      | <ul style="list-style-type: none"><li>• Funds allocation is needed for language lab and purchase of books</li></ul>                                            |
| 3.2 Resource Mobilization for Research                                                | -                                                                                                                                                                                      | -                                                                                                                                                              |
| 3.3 Research Publications, Awards and Patents                                         | -                                                                                                                                                                                      | -                                                                                                                                                              |
| 3.4 Consultancy                                                                       | -                                                                                                                                                                                      | -                                                                                                                                                              |
| 3.5 Institutional Social Responsibility (Service Learning / Life Frontier Engagement) | -                                                                                                                                                                                      | -                                                                                                                                                              |
| 3.6 Collaborations and Networking                                                     | -                                                                                                                                                                                      | -                                                                                                                                                              |
| Criterion IV: Infrastructure and Learning Resources                                   |                                                                                                                                                                                        |                                                                                                                                                                |

| Key Aspects                                  | Commendations                                                                                                                                                      | Specific Recommendations                                                                                                       |
|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| 4.1 Laboratory & Physical Facilities         | -                                                                                                                                                                  | <ul style="list-style-type: none"><li>Department infrastructure should be well developed</li></ul>                             |
| 4.2 Library (General and Department)         | -                                                                                                                                                                  | <ul style="list-style-type: none"><li>Special funds should be allocated to meet the needs mentioned in this category</li></ul> |
| Criterion V: Student Support and Progression |                                                                                                                                                                    |                                                                                                                                |
| 5.1 Academic Support for Students            | -                                                                                                                                                                  | -                                                                                                                              |
| 5.2 Academic Progression of the Students     | <ul style="list-style-type: none"><li>Sincere efforts are taken for the academic progression and the participation of the students in various activities</li></ul> | -                                                                                                                              |
| 5.3 Student Participation and Activities     |                                                                                                                                                                    | -                                                                                                                              |
| Criterion VI: Innovations and Best Practices |                                                                                                                                                                    |                                                                                                                                |
| 6.1 Environment Consciousness                | -                                                                                                                                                                  | -                                                                                                                              |
| 6.2 Innovations                              | -                                                                                                                                                                  | -                                                                                                                              |
| 6.3 Best Practices                           | -                                                                                                                                                                  | -                                                                                                                              |
| 6.4 Strategic plans of the Department        | -                                                                                                                                                                  | -                                                                                                                              |

Areas required to be improved:

- Workshops/Conferences – multi disciplinary can be organized (National / International)
- Consultation on translations to be worked on.
- Updation of Books / Digital resources

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## **Consolidated Report**

**(21<sup>st</sup> August 2019 – 23<sup>rd</sup> September 2019)**

**The following Commendations & Recommendations were given by the External Experts during the Academic Audit of Various Departments:**

### **Commendations:**

1. Constant upgradation & periodic revision of course content.
2. Curriculum design & development focussed on global competency.
3. Vocational courses
4. Opportunities given by Departments for creativity.
5. Summer training & Internship
6. Field based training
7. Faculty participation outside
8. Field trips and OSS
9. Transparency in evaluation
10. Entry Behaviour test for every course
11. Documentary film making by students
12. In service training for school teachers
13. LiFE program
14. Mentor-mentee system
15. Screening paper presentation through RCPC
16. Scholarships from College
17. Portfolio presentation by students of Fashion Designing
18. Quality & Commitment of teachers

### **Recommendations:**

1. More Inter disciplinary courses
2. Business Networking centres
3. e-content prepared by faculty & students to be uploaded in the college website
4. Exit quiz for UG students
5. Faculty & student participation outside the country to be encouraged

6. Consultancy services for industries
7. To increase student enrolment, tuition fee to be reduced for Tamil & History department UG admission
8. Collaboration with Industries
9. Financial support for patenting
10. Need for more MoU's & linkages
11. Need for Public Private partnership
12. Make students Industry friendly
13. MoU's with prominent alumnae
14. Fund allocation for language lab
15. Need more lab infrastructure
16. Fitness centre to be established
17. Make the Animal House functional
18. Ph.D enrolment & guideship to be encouraged
19. Strengthen Government projects
20. Monetary benefits for Faculty pursuing M.Phil & Ph.D
21. Faculty wishing to publish papers and do research could be given flexibility in teaching hours
22. Awareness on funding opportunities for faculty
23. Shift system removed & full day classes for SF
24. Placement programs
25. Systematic documentation
26. Faculty should Publish at least one paper/year
27. More faculty to take up research
28. To apply for grants to start a museum

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**Conclusion:**

One complete cycle of Academic Audit (two internal audits followed by an external audit) was successfully completed for the period (2016-2019). Through academic audit future plans for each department has been proposed.

Proposed timeline of activities for the next cycle is given below:

2019-2020, 2020-2021: Internal AAA,

2021-2022: External AAA

Proposed year of External Academic Audit 2022-2023

Administrative audit to be conducted in 2020.

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