

# GOVERNMENT SCIENCE COLLEGE(AUTONOMOUS), HASSAN-573 201

(Re-Accredited by NAAC at **B** Grade with CGPA 2.72 )
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# ANNUAL QUALITY ASSURANCE REPORT

**AQAR 2015-16** 

Submitted to



# राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद्

विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

#### NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL An

Autonomous Institution of the University Grants Commission P. O. Box. No. 1075, Opp: NLSIU, Nagarbhavi, Bangalore - 560 072 India

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# Part – A

# 1. Details of the Institution

| 1.1 Name of the Institution          | Government Science College |
|--------------------------------------|----------------------------|
| 1.2 Address Line 1                   | Salagame Road              |
| Address Line 2                       | Hassan                     |
| City/Town                            | Hassan                     |
| State                                | Karnataka                  |
| Pin Code                             | 573201                     |
| Institution e-mail address           | gschassan@gmail.com        |
| Contact Nos.                         | 08172-268248               |
| Name of the Head of the Institution: | Prof. S.H. Gangegowda      |
| Tel. No. with STD Code:              | 08172-268248               |
| Mobile:                              | 9945545495                 |
| Name of the IQAC Co-ordinator:       | Dr. M. Abdul Rahiman       |

|  |            |                       | 9449969988   |                       |                          |                 |               |
|--|------------|-----------------------|--------------|-----------------------|--------------------------|-----------------|---------------|
| Mo   | bile:      |                       | _            |                       |                          |                 |               |
|  |            |                       |              |                       |                          |                 | _             |
| IQAC e-mail address:                                     |            |                       | rahiman.     | rahiman.hsn@gmail.com |                          |                 |               |
| IŲ.  | AC e-man   | address:              |              |                       |                          |                 |               |
|  |            |                       |              |                       |                          |                 |               |
|  |            |                       |              |                       |                          |                 |               |
| 13   | NAAC T     | rack ID (Fa           | orex MF      | ICOGN 188             | 79) NA                   |                 |               |
| 1.5  |            | ruck ID (1 c          | 77 630. 1911 | 100011100             | 101                      |                 |               |
| 1 /  | NAAC F     | vocutivo Co           | mmittac      | No. & Dat             | FC/59/F                  |                 | <br>I-04-2012 |
| 1.7  |            |                       |              | 3 dated 3-5           |                          |                 |               |
|  | This EC    | no. is availa         | ble in the   | e right corne         | er- bottom               |                 |               |
|  | of your ii | nstitution's A        | Accredita    | ttion Certific        | cate)                    |                 |               |
|  |            |                       |              |                       |                          |                 | $\neg$        |
| 1.5 Website address:                                     |            | www.gsch.in           |              |                       |                          |                 |               |
|  |            |                       |              |                       |                          |                 |               |
|  |            |                       |              |                       |                          |                 |               |
| Web-link of the AQAR: http://www.gsch.in/IQAC2015-16.doc |            |                       |              |                       |                          |                 |               |
|  |            | For ex. h             | ttn://www    | v.ladykeane           | college.edu.in/AQ        | AR2012-13.doc   |               |
|  |            |                       | сер.,, w w   | w.nacy Realic         | correge.cua.m/11Q        | 11112012 13.000 |               |
| 1.6  | Accredita  | tion Details          |              |                       |                          |                 |               |
|  | Sl. No.    | Cycle                 | Grade        | CGPA                  | Year of<br>Accreditation | Validity Period | d             |
|  | 1          | 1 <sup>st</sup> Cycle | В            | -                     | 2003                     | 2003-2008       |               |
|  | 2          | 2 <sup>nd</sup> Cycle | В            | 2.72                  | 2012                     | 2012-2017       |               |
|  | 3          | 3 <sup>rd</sup> Cycle |              |                       |                          |                 |               |
|  | 4          | 4 <sup>th</sup> Cycle |              |                       |                          |                 |               |
|  |            |                       |              |                       |                          |                 |               |

1.7 Date of Establishment of IQAC : DD/MM/YYYY

2015-16

28-12-2004

| •  | AQAR submitted to NAAC after the latest Assessment and apple AQAR 2010-11submitted to NAAC on 12-10-2011) |  |  |  |  |
|--|---|--|--|--|--|
| <ul><li>i. AQAR 2012-13 submitted</li><li>ii. AQAR 2013-14 submitted</li><li>iii. AQAR 2014-15 submitted</li></ul> | to NAAC on 24-12-2014   |  |  |  |  |
| 1.10 Institutional Status  |   |  |  |  |  |
| University   | State Central Deemed Private  |  |  |  |  |
| Affiliated College   | Yes V No  |  |  |  |  |
| Constituent College  | Yes No V  |  |  |  |  |
| Autonomous college of UGC  | Yes No No   |  |  |  |  |
| Regulatory Agency approved Ir  | nstitution Yes No   |  |  |  |  |
| (eg. AICTE, BCI, MCI, PCI, NC  | CI)   |  |  |  |  |
| Type of Institution Co-education   |   |  |  |  |  |
| Urban  | √ Rural Tribal  |  |  |  |  |
| Financial Status Grant-  | in-aid UGC 2(f) V UGC 12B V   |  |  |  |  |
| Grant-in-aid + Self Financing  | Totally Self-financing  |  |  |  |  |
| 1.11 Type of Faculty/Programme   |   |  |  |  |  |
| Arts Science   | Commerce Law PEI (Phys Edu)   |  |  |  |  |
| TEI (Edu) Enginee  | ering Health Science Management   |  |  |  |  |
| Others (Specify)   | -   |  |  |  |  |
| 1.12 Name of the Affiliating Unive   | ersity (for the Colleges)  University of Mysore   |  |  |  |  |

| 1.13 Special status conferred by Central/ State | Government UGC/CSIR/DST/DBT/ICMR etc |
|---|--------------------------------------|
| Autonomy by State/Central Govt. / Un            | niversity <sub>V</sub>               |
| University with Potential for Excellence        | UGC-CPE                              |
| DST Star Scheme                                 | UGC-CE                               |
| UGC-Special Assistance Programme                | DST-FIST                             |
| UGC-Innovative PG programmes                    | Any other (Specify)                  |
| UGC-COP Programmes                              |                                      |
| 2. IQAC Composition and Activities              |                                      |
| 2.1 No. of Teachers                             | 12                                   |
| 2.2 No. of Administrative/Technical staff       | 01                                   |
| 2.3 No. of students                             | 01                                   |
| 2.4 No. of Management representatives           | -                                    |
| 2.5 No. of Alumni                               | -                                    |
| 2. 6 No. of any other stakeholder and           | _                                    |
| community representatives                       |                                      |
| 2.7 No. of Employers/ Industrialists            | -                                    |
| 2.8 No. of other External Experts               | 01                                   |
| 2.9 Total No. of members                        | 15                                   |
| 2.10 No. of IQAC meetings held                  | 06                                   |

| 2.11 No. of meetings with various stakeholders: |  | No               | Faculty       | 06            |         |
|---|--|------------------|---------------|---------------|---------|
| Non-Teacl                                       | ning Staff Students                                      | -                | Alumni        | - Others      | -       |
| 2.12 Has IQAC rece                              | eived any funding from                                   | UGC during the   | year? Yes     | √ No          |         |
| If yes, me                                      | ention the amount  | Rs. 3,00,000     | 0.00          |               |         |
| 2.13 Seminars and G                             | Conferences (only qual                                   | ity related)     |               |               |         |
| (i) No. of Sem                                  | inars/Conferences/ Wo                                    | orkshops/Symposi | a organized b | y the IQAC    |         |
| Total Nos. 2                                    | International -  | National         | 1 State       | - stitution L | evel 1  |
| (ii) Themes                                     | Quality Assurance are Challenges     Awareness regarding |                  |               |               | ues and |
| 2.14 Significant Act                            | rivities and contribution                                | ns made by IQAC  |               |               |         |

- Student feedback about the teachers and about the college is collected from outgoing students of the year. It is analysed by IQAC of the College
- Red Cross and Red ribbon club have been established in the College
- Special scientific lecture programmes are arranged in different disciplines.
- Cultural competitions, Student seminars, Scientific model exhibition and quiz programmes are arranged
- Documentation of college activities.
- Departmental action plans are prepared.
- Faculties and Students are encouraged to present their research papers in various national and international seminars/conferences.
- NAAC Sponsored National level Seminar was organized by IQAC on the topic "Quality Assurance and Sustenance in Higher Education Institutions- Issues and Challenges" on 1-03-2016
- UGC sponsored National level seminar was organized by Physics Department on the topic "Recent Advances in Nanoscience and Nanotechnology"
- UGC sponsored National level seminar was organized by Department of PG studies in Chemisty on the topic "Emerging Trends in Analytical Techniques" on March 28 and 29the 2016.
- One Institutional level workshop conducted on CBCS Rules and Regulations for B.Sc and M.Sc syllabus for Autonomous Colleges on 24-07-2015
- Releasing of Department Magazines and Wall paper
- Submitting the proposals for Minor Research Project and Conducting seminars/Conferences.
- Organizing field trips and Industrial visits
- Interaction of students with Scientists and Industrialists.
- More and more Research collaboration with other research institutions and Universities
- MOU s with different institutions and industries
- More certificate course and add-on courses

# 2.15 Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year  $\ast$ 

| Activities planned in the beginning                                       | Activities Executed  |
|---|--|
| Preparation of departmental action plan at the beginning of academic year | Action plan is prepared by all the departments and wings like NSS, NCC, Cultural Forum, Science Forum etc. The action plan is executed partially                                   |
| Conduct Orientation programme to I sem students                           | Conducted Orientation Programme  |
| To conduct seminars/Workshops   | 1. NAAC Sponsored National level Seminar was organized by IQAC on the topic Quality Assurance and Sustenance in Higher Education Institutions- Issues and Challenges" on 1-03-2016 |
|   | 2. UGC sponsored National level seminar was organized by Physics Department on the topic Recent Advances in Nanoscience and Nanotechnology   |
|   | 3. UGC sponsored National level seminar was organized by Department of PG studies in Chemisty on the topic Emerging Trends in Analytical Techniques" on March 28 and 29the 2016.   |
|   | 4. One Institutional level workshops conducted on CBCS Rules and Regulations for B.Sc and M.Sc syllabus for Autonomous Colleges.on 24-07-2015                                      |
| To submit research project to various funding agency                      | About 8 research projects were submitted to UGC under Minor research projects  |
| To submit proposals to UGC for Conducting National seminar/conferences    | Four proposals were submitted to UGC for conducting seminar and conferenes. Out which two proposals were approved by UGC to sanction grant in this academic year.                  |

| To conduct guest lectures  | Many guest lecturers were organized by various departments  |
|--|---|
| Display wall Magazines   | Two magazines were displayed in PG Department two in Mathematic department  |
| To conduct guest lectures  | Many guest lecturers were organized by various departments  |
| To release Magazine at the Departmental levels   | One Magazine from PG Department of<br>Chemistry and one from Science forum and<br>one from sports Department were released.   |
| Students are encouraged to participate in various intercollegiate and university level cultural and sport activities | Many students were participated in various cultural events and sports events  |
| Steps to motivate students for campus placements   | Placement cell of the College actively involved and many students were placed in various multinational companies and industries.  |
| To arrange quiz competitions   | Institutional level science quiz competition was conducted.   |
| Interaction of students with scientists and noble personalities  | The National seminars conducted by Physics<br>Department and PG Dept. of Chemistry have<br>provided avenues for the students to interact<br>with various scientists from IIT Bombay, IISc<br>Bangalore etc. |
| To conduct integration awareness camps   | NSS unit conducted Annual camps   |
| To conduct Field visit, Industrial visits  | Many departments have arranged field trips and industrial visits  |
| Awareness Rally  | Swach Bharath Rally by Scouts/NSS/NCC   |
| Conduct Students counseling  | Conducted Students' counseling  |
| To Organize Alumni interactions and Parents meetings   | Parents meeting has been convened   |
| Implement Green Campus and Clean Campus  | Gandhi Jayanthi Day was celebrated by cleaning the college campus in which all faculty members and ministerial staff have participated. Many tree saplings were planted on the College Campus               |
| Inculcate Research Culture among faculties and students  | Many Teachers and Students were encouraged to present their research findings in various National and International conferences/ seminars/Workshops   |

| Faculties are encouraged to publish papers in national –international journals | Many teachers have published their papers in national and international peer reviewed Journals |
|--|--|
| To conduct Remedial Classes  | Many departments conducted remedial classes for slow learners                                  |
| Steps to initiate Add-on courses and certificate courses                       | Add-on course on Computer Network<br>Simulation and Tissue Culture were started                |

<sup>\*</sup> Attach the Academic Calendar of the year as Annexure.

| •  |  |  |  |  |  |
|--|--|--|--|--|--|
| 2.15 Whether the AQAR was placed in statutory body Yes No                                    |  |  |  |  |  |
| Management Syndicate Any other body V  |  |  |  |  |  |
| Provide the details of the action taken  |  |  |  |  |  |
| AQAR was discussed with all the members of IQAC. Strategies to improve quality indicators of |  |  |  |  |  |
| the institution were discussed.  |  |  |  |  |  |

# Part – B Criterion – I

# 1. Curricular Aspects

| Level of the<br>Programme                      | Number of existing Programmes                      | Number of programmes added during the year | Number of self-financing programmes | Number of value<br>added / Career<br>Oriented<br>programmes |
|--|--|--|-------------------------------------|---|
| PhD  | NIL  | NIL  | NIL                                 | NIL   |
| PG   | 01   | NIL  | NIL                                 | NIL   |
| UG   | 02   | NIL  | NIL                                 | NIL   |
| PG Diploma                                     |  |  |                                     |   |
| Advanced Diploma                               |  |  |                                     |   |
| Diploma  |  |  |                                     |   |
| Certificate                                    |  |  |                                     |   |
| Others: Add-on                                 | 02(Computer<br>Network<br>simulation and<br>Tissue | NIL  |                                     |   |
| Total  | Culture)   | 04   |                                     |   |
| 10tai  | 04   | 04   |                                     |   |
| Interdisciplinary                              |  |  |                                     |   |
| Innovative                                     |  |  |                                     |   |
| .2 (i) Flexibility of the (ii) Pattern of pro- | grammes:   |  | ctive option / Open                 |   |
|  | Patter   | Number of programmes                       |                                     | ies   |
|  | Semes  | ster B                                     | .Sc, B.C.A and M.Sc                 |   |
|  | Trime  | ster N                                     | NIL                                 |   |
|  |  | nal NIL                                    |                                     |   |

Manual

\*Please provide an analysis of the feedback in the Annexure

: Online

(On all aspects)

Mode of feedback

Co-operating schools (for PEI)

- 1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.
  - The syllabi are revised and updated by the University based on the recommendations of the concerned Board of Studies. Some of our faculty members are members of Board of Studies of the University.
  - For autonomous syllabus: The syllabi for all subjects have been discussed by the concerned BOS and are finally approved by the Academic Council Meeting before implementing.
  - C.B.C.S introduced in all UG and PG courses.

| 1.5 | Any new Department/Centre introduced during the year. If yes, give detail | IS. |
|-----|---|-----|
|     | NO  |     |

### Criterion - II

# 2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

| Total | Asst.      | Associate  | Professors | Others |
|-------|------------|------------|------------|--------|
|       | Professors | Professors |            |        |
| 49    | 27         | 22         | -          |        |

2.2 No. of permanent faculty with Ph.D.

14

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year

| Asst. |       | Assoc  | iate | Profe | ssors | Other | :S | Total |    |
|-------|-------|--------|------|-------|-------|-------|----|-------|----|
| Profe | ssors | Profes | sors |       |       |       |    |       |    |
| R     | V     | R      | V    | R     | V     | R     | V  | R     | V  |
|       |       |        |      |       |       |       |    |       |    |
| 0     | 12    |        | -    |       |       |       |    | 0     | 12 |

2.4 No. of Guest and Visiting faculty and Temporary faculty

| 125 | - | - |  |
|-----|---|---|--|
|-----|---|---|--|

2.5 Faculty participation in conferences and symposia:

| No. of Faculty | International level | National level | State level |
|----------------|---------------------|----------------|-------------|
| Attended       | 08                  | 36             | 02          |
| Presented      | 10                  | 21             |             |
| Resource       |                     |                |             |
| Persons        |                     |                |             |

| <ul> <li>2.6 Innovative processes adopted by the institution in Teaching and Learning:</li> <li>For promoting teaching and learning, innovations in teaching methodology have been introduced.</li> <li>Modern teaching techniques and aids such as Power point presentations, use of Computers, e-assignments, Audio visual aids and browsing the internet are used in classroom instructions. Focused group discussions, role plays, newspaper clipping files and displays are regularly practiced.</li> <li>Student centric learning approach</li> <li>Research-based assignments using Project, Survey and case study method have been planned for students which further require making use of combination of materials from text books, internet and Journals. Study of research trends has been made part of major subjects. Screening of Period Films is carried out.</li> <li>Guest lectures, workshops and seminars by experts in the field have been organized in the various departments to acquaint the students with the latest technology, activities and concepts.</li> <li>Industrial trips, field visits and tours have been organized with the aim to give practical exposure to students regarding various theoretical topics.</li> <li>Planning and execution of lesson plans: Teachers have been planning their lessons, weekly monthly and yearly and these are regularly monitored by respective Heads of departments and Head of the institution.</li> <li>Conduct of periodical tests has been introduced to bring about positive changes in improving academic performance of students. Quiz Competitions have been held from time to time.</li> <li>Students are encouraged to prepare power point presentation and present them in class.</li> <li>The use of INFLIBNET facility is given to Staff and students in library.</li> <li>Automation of Library was done for easy and speedy assess of books</li> <li>Edusat programmes was arranged as part of Department of Collegiate programme</li> </ul> |
|---|
| 2.7 Total No. of actual teaching days during this academic year   |
| 2.8 Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions   |
| The reforms instituted by the institution in internal evaluation process are:   |
| ☐Transparency in Internal assessment.   |

☐ Organization ability for class seminars evaluated.

☐ Regular class assignments marked.

☐Student projects given weightage in internal assessment in PG department.

☐ Power point presentations assessed for their quality and content.

| 2.9 | No. of faculty members involved in curriculum restructuring/revision/syllabus development |
|-----|---|
|     | as member of Board of Study/Faculty/Curriculum Development workshop                       |

|                       | BOS -6       |         | BOE -10    |     |  |
|-----------------------|--------------|---------|------------|-----|--|
| 2.10 Average percenta | ge of attend | ance of | f students | 90% |  |

#### 2.11 Course/Programme wise distribution of pass percentage :

| Title of the | Total no. of students |                                |     |      |       |        |
|--------------|-----------------------|--------------------------------|-----|------|-------|--------|
| Programme    | appeared              | Distinction                    | I % | II % | III % | Pass % |
|              |                       | %                              |     |      |       |        |
| B.Sc.        | 419                   | 35                             | 168 | 64   | 62    | 78.5   |
| B.C.A.       | No Students ac        | dents admitted during the year |     |      |       |        |
| M.Sc.        | 23                    | 01                             | 17  | -    | -     | 78.2   |

#### 2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes:

- IQAC collects student feedback about the teaching and analyses it. The report of analysis is given to Principal. The Principal communicates the same to the concerned staff member.
- IQAC helps the administration in the smooth and effective implementation of the teaching learning process.
- Creation of learning environment in classes which motivates critical thinking, creativity and scientific temper.
- Conducting periodical academic audit
- Conducting periodic meetings with HOD's.
- Conducting IQAC committee meetings

#### 2.13 Initiatives undertaken towards faculty development

| Faculty / Staff Development Programmes         | Number of faculty benefitted |
|--|------------------------------|
| Refresher courses                              | 03                           |
| UGC – Faculty Improvement Programme            | 00                           |
| HRD programmes                                 | NIL                          |
| Orientation programme                          | 00                           |
| Faculty exchange programme                     | NIL                          |
| Staff training conducted by the university     | NIL                          |
| Staff training conducted by other institutions | NIL                          |

| Summer / Winter schools, Workshops, etc. Workshops |
|--|
|--|

# 2.14 Details of Administrative and Technical staff

| Category             | Number of<br>Permanent<br>Employees |    | permanent | Number of positions filled temporarily |
|----------------------|-------------------------------------|----|-----------|--|
| Administrative Staff | 15                                  | 19 | 0         | 18                                     |
| Technical Staff      | 0                                   | 0  | 0         | 0                                      |

#### Criterion – III

# 3. Research, Consultancy and Extension

- 3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution
  - 1. A Research Advisory Committee is constituted in the college to create a conducive atmosphere for undertaking research activities and to inculcate research culture
  - 2. Teachers are encouraged to submit minor and major research project proposals to UGC, DST, K-FIST etc.
  - 3. 8 teachers submitted their research proposals to UGC for financial assistance through IQAC of the college
  - 4. Many teachers are recognized as research guides from Bharathiar University
  - 5. Interdisciplinary research is undertaken
  - 6. Promoting the departments to get recognition as research centers and the qualified faculty as Research Guides
  - 7. The M. Sc. Students were encouraged and guided to publish their research findings in Peer reviewed Journals.

#### 3.2 Details regarding major projects

|                     | Completed | Ongoing | Sanctioned | Submitted |
|---------------------|-----------|---------|------------|-----------|
| Number              | 01        |         |            | 1         |
| Outlay in Rs. Lakhs | 08 Lakhs  |         |            |           |

#### 3.3 Details regarding minor projects

|                     | Completed | Ongoing | Sanctioned | Submitted |
|---------------------|-----------|---------|------------|-----------|
| Number              |           | 5       | 1          |           |
| Outlay in Rs. Lakhs |           | 7.8     | 3.9lakhs   |           |

#### 3.4 Details on research publications

|                          | International | National | Others |
|--------------------------|---------------|----------|--------|
| Peer Review Journals     | 08            | 41       |        |
| Non-Peer Review Journals |               |          |        |
| e-Journals               |               |          |        |
| Conference proceedings   | 04            |          |        |

| 3.5 Details on | Impact factor of | of publications: |  |
|----------------|------------------|------------------|--|
|                |                  |                  |  |

| Range | 1-1.5 | verage | 1.25 | ndex | 5 | n SCOPUS |  |
|-------|-------|--------|------|------|---|----------|--|
|-------|-------|--------|------|------|---|----------|--|

3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations

| Nature of the Project             | Duration<br>Year | Name of the funding Agency | Total grant sanctioned | Received  |
|-----------------------------------|------------------|----------------------------|------------------------|-----------|
| Major projects                    |                  |                            |                        |           |
| Minor Projects                    | 03               | UGC                        | 3.9 Lakhs              | 2.5 Lakhs |
| <b>Interdisciplinary Projects</b> |                  |                            |                        |           |
| Industry sponsored                |                  |                            |                        |           |
| Projects sponsored by the         |                  |                            |                        |           |
| University/ College               |                  |                            |                        |           |
| Students research                 |                  |                            |                        |           |
| projects                          |                  |                            |                        |           |
| (other than compulsory            |                  |                            |                        |           |
| by the University)                |                  |                            |                        |           |
| Any other(Specify)                |                  |                            |                        |           |
| Total                             |                  |                            |                        |           |

| 3.7 No. of books published  | i) With ISBN No.       | 0 Ch | apters in Edited Books | 0   |
|-----------------------------|------------------------|------|------------------------|-----|
|                             | ii) Without ISBN No    | 0. 0 |                        |     |
| 3.8 No. of University Depar | tments receiving funds | from |                        |     |
| UC                          | GC-SAP NA              | CAS  | NA DST-FIST            | NA  |
| DF                          | PE NA                  |      | DBT Scheme/funds       | NA  |
| 3.9 For colleges            | Autonomy NIL           | СРЕ  | NIL DBT Star Scheme    | NIL |
| I                           | NSPIRE NIL             | CE   | NIL y Other (specify)  |     |

3.10 Revenue generated through consultancy

Being a government organization, normally services cannot be charged without following proper procedure for taking permission from the higher authorities. Hence, all counselling and consultancy services are non-income generating and conducted free of cost.

3.11 No. of conferences organized by the Institution

| Level      | International | National | State | University | College |
|------------|---------------|----------|-------|------------|---------|
| Number     | NIL           | 02       |       | 01         | 01      |
| Sponsoring |               |          |       |            |         |
| agencies   |               |          |       |            |         |

|                | agencies   |               |          |                 |       |            |          |           |           |   |
|----------------|--|---------------|----------|-----------------|-------|------------|----------|-----------|-----------|---|
| 3.12 No. of fa | aculty served a                                      | s experts, ch | nairpers | sons or reso    | ourc  | e per      | rsons    |           |           |   |
| 3.13 No. of c  | ollaborations  | NIL Inte      | rnation  | al NIL          | Na    | tiona      | .1       |           | Any other |   |
| 3.14 No. of li | nkages created                                       | during this   | year     | NIL             |       |            |          |           |           |   |
| 3.15 Total bu  | dget for resear                                      | ch for curre  | nt year  | in lakhs :      |       |            |          |           |           |   |
| From fund      | ling agency  | 3.9           | Fron     | n Managen       | nent  | of U       | niversi  | ty/Colle  | ge        |   |
| Total          |  | 3.9           |          |                 |       |            |          |           |           |   |
|                |  |               | _        |                 |       |            |          |           |           |   |
| 3.16 No. of p  | patents receive                                      | d this year   |          |                 |       |            |          |           |           |   |
|                |  | Type of Pa    | atent    |                 | N     | Vumb       | er       |           |           |   |
|                |  | National      |          | Applied         | _     | NIL        |          |           |           |   |
|                |  |               |          | Granted         |       | <u>IIL</u> |          |           |           |   |
|                |  | Internation   | nal      | Applied Granted |       | NIL<br>NIL |          |           |           |   |
|                |  | G .           | 1' 1     | Applied         |       | VIL        |          |           |           |   |
|                |  | Commerci      | alised   | Granted         | N     | NIL.       |          |           |           |   |
|                | esearch awards<br>nstitute in the                    | •             | ns rec   | ceived by f     | facul | lty an     | nd resea | rch fello | ows       |   |
| Total          | International  | National      | State    | Universit       | y l   | Dist       | Colleg   | ge        |           |   |
|                |  |               |          |                 |       |            |          |           |           |   |
| who are F      | aculty from the<br>Ph. D. Guides<br>nts registered u |               | 8        |                 |       |            |          |           |           |   |
| 3.19 No. of P  | h.D. awarded   | by faculty fr | om the   | Institution     | 1     | -          |          |           |           |   |
| 3.20 No. of R  | Research schola                                      | ars receiving | the Fe   | llowships       | (Nev  | wly e      | nrolled  | + existi  | ng ones)  |   |
|                | JRF _  | SRF           | -        | Projec          | ct Fe | ellow      | 'S _     | An        | y other   | - |

| 3.21 No. of students Participated in NSS events:   |
|--|
| University level 08 State level 00   |
| National level 01 International level -  |
| 3.22 No. of students participated in NCC events:   |
| University level 04 State level 04   |
| National level 01 International level -  |
| 3.23 No. of Awards won in NSS:   |
| University level _ State level _   |
| National level International level   |
| 3.24 No. of Awards won in NCC:   |
| University level - State level -   |
| National level 01 International level -  |
| 3.25 No. of Extension activities organized   |
| University forum College forum   |
| NCC 01 NSS 01 Any other  |
| 3.26 Major Activities during the year in the sphere of extension activities and Institutional Soci |

- 3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility
  - Blood donation camp in collaboration with District hospital.
  - Rashtriya Sadbhavana Divas celebrations.
  - Campus cleaning programme on Gandhi Jayanthi day.

# Criterion - IV

# 4. Infrastructure and Learning Resources

#### 4.1 Details of increase in infrastructure facilities:

| Facilities   | Existing  | Newly   | Source of Fund | Total |
|--|-----------|---------|----------------|-------|
|  |           | created |                |       |
| Campus area  | 8.98      | 0       |                | 8.98  |
|  | Acres     |         |                | Acres |
|  | out of 26 |         |                |       |
|  | acres     |         |                |       |
|  | total     |         |                |       |
| Class rooms  | 07        | 3       | Government of  | 10    |
|  |           |         | Karnataka Rs.  |       |
|  |           |         | 60 lakhs       |       |
| Laboratories                                       | 22        | 0       |                | 22    |
| Seminar Halls                                      | 01        | 0       |                | 01    |
| No. of important equipments purchased              |           |         |                |       |
| $(\geq 1-0 \text{ lakh})$ during the current year. |           |         |                |       |
| Value of the equipment purchased                   |           |         |                |       |
| during the year (Rs. in Lakhs)                     |           |         |                |       |
| Others   |           |         |                |       |

### 4.2 Computerization of administration and library

- 1. Online admission entry for approval by University
- 2. Online examination application entry.
- 3. Admission tickets are downloaded from University website.
- 4. Library automation underway.
- 5. INFLIBNET facility provided

#### 4.3 Library services:

|                  | Existing |           | Newly | added     | Total  |          |
|------------------|----------|-----------|-------|-----------|--------|----------|
|                  | No.      | Value     | No.   | Value     | No.    | Value    |
| Text Books       | 33816    | 368142.00 | 1455  | 600000.00 | 25271  | 968142   |
| Reference Books  | 13000    | 300142.00 |       | 000000.00 | 13000  | 900142   |
| e-Books          | N-List   |           |       |           | N-List | 5000.00  |
| Journals         | 14       | 10000.00  |       |           | 14     | 10000.00 |
| e-Journals       | N-List   |           |       |           | N-List | 5000.00  |
| Digital Database |          |           |       |           | -      | -        |
| CD & Video       | 30       | -         | NIL   |           | 30     |          |
| Others (specify) | -        | -         | -     | -         | -      | -        |

4.4 Technology up gradation (overall)

|          | Total<br>Computers | Computer<br>Labs | Internet | Browsing<br>Centres | Computer<br>Centres | Office | Depart-<br>ments | Others<br>Library |
|----------|--------------------|------------------|----------|---------------------|---------------------|--------|------------------|-------------------|
| Existing | 81                 | 49               | -        | 10                  | -                   | 04     | 27               | 01                |
| Added    | 8                  | 00               |          | 00                  |                     | 00     | 00               | 00                |
| Total    | 89                 | 49               |          | 10                  |                     | 04     | 27               | 01                |

- 4.5 Computer, Internet access, training to teachers and any other programme for technology upgradation (Networking, e-Governance etc.)
  - UGC-Network Resource Centre
  - E.content downloading facility to students provided by the collegiate education department

| 4.6 Amount spent on maintenance in lakhs: |                       |  |  |  |  |
|---|-----------------------|--|--|--|--|
| i) ICT                                    | 5 lakhs               |  |  |  |  |
| ii) Campus Infrastructure and facilities  | 60 lakhs New building |  |  |  |  |
| iii) Equipments                           | 10 lakhs              |  |  |  |  |
| iv) Others                                | -                     |  |  |  |  |
| Total:                                    | 75 lakhs              |  |  |  |  |

### Criterion - V

# 5. Student Support and Progression

- 5.1 Contribution of IQAC in enhancing awareness about Student Support Services
  - The college has been conducting orientation programmes in the beginning of the academic session in order to sensitize the students regarding various clubs and societies working for students' support.
  - The information about curricular and co-curricular activities is disseminated through College Website, notice board and College Prospectus.
  - Scholarship committee constituted to assist students in getting various scholarships
  - Training & placement assistance.
  - Display of Placement brochures through Departmental Notice boards and Placement cell.
  - Organizing mock interviews and conducting sample tests.
  - Encouraging student to write article in wall magazines and annual magazines
- 5.2 Efforts made by the institution for tracking the progression
  - Alumni interaction, Strengthening alumni database continuous evaluation of students in the form of regular tests.
  - For slow learners, Additional assignments and remedial coaching.
  - Mentors in the Mentor-ward system and counselors provide necessary guidance to students in the choice of their career and the way Independent thinking and living.
  - For the fast learners opportunity to conduct seminars, Student faculty scheme and organizing events through
  - > students forum By contacting students over phone.
  - ➤ Referring TC issue register
  - ➤ Information gathered from parents and students.

| 536   | (a) | Total  | Number | $\alpha f$ | ctudante |
|-------|-----|--------|--------|------------|----------|
| J.J ( | (a) | 1 Otai | Number | OΙ         | students |

| UG   | PG | Ph. D. | Others |
|------|----|--------|--------|
| 1519 | 52 |        |        |

(b) No. of students outside the state

NIL

(c) No. of international students

NIL

Men

| No  | %     |
|-----|-------|
| 645 | 41.05 |

| No  | %     |
|-----|-------|
| 926 | 58.95 |

| Women |
|-------|
|-------|

| Last Year |     |    |      |                          |       | This Year |     |    |      |                          |      |
|-----------|-----|----|------|--------------------------|-------|-----------|-----|----|------|--------------------------|------|
| General   | SC  | ST |      | Physically<br>Challenged | Total | General   | SC  | ST |      | Physically<br>Challenged |      |
| 49        | 217 | 20 | 1095 | 0                        | 1381  | 50        | 233 | 24 | 1264 | 0                        | 1571 |

Demand ratio 520:850

Dropout %: About 20%

| <ul><li>Organizing</li><li>personality</li></ul>            | and JRF coaching of<br>mock interviews and<br>development, comm<br>General knowledge a | d conducting sampl<br>unication skills, Gr | e tests. oup Discuss          | ion, M |          |
|---|--|--|-------------------------------|--------|----------|
| No. of students ber   | neficiaries 2  | 5  |                               |        |          |
| NET 0 S  IAS/IPS etc 0                                      | SET/SLET  State PSC  0   |  | O AT Others                   |        | 0        |
| .6 Details of student cou                                   | inselling and career   | guidance                                   |                               |        |          |
| interview,  | terviews organised   | inication skills, Gro                      | oup Discussi                  | on, Mo | ICK      |
| o. of students benefitted. 7 Details of campus pla          |  |  |                               |        |          |
|   |  |  | Off Campi                     | ıs     |          |
| 7 Details of campus pla                                     | ncement  |  | Off Campu<br>Number<br>Placed | of     | Students |
| 7 Details of campus pla  On campus  Number of Organizations | Number of Students Participated 75   |  | Number                        |        | Students |

| 5.9 Stude  | nts Activities   |                     |                     |   |
|------------|--|---------------------|---------------------|---|
| 5.9.1      | No. of students participated in Sports, G                            | ames and other even | ts                  |   |
|            | State/ University level 54 Natio                                     | nal level -         | International level | 0 |
| No. of stu | udents participated in cultural events                               |                     |                     |   |
|            | State/ University level 10 Natio                                     | nal level -         | International level | 0 |
| 5.9.2      | No. of medals /awards won by students i                              | n Sports, Games and | l other events      |   |
| Sports     | : State/ University level 24 Nation                                  | onal level 0        | International level | 0 |
| Cultura    | al: State/ University level 03 Nation                                | onal level 0        | International level | 0 |
| 5.10 Scho  | larships and Financial Support                                       |                     |                     |   |
|            |  | Number of students  | Amount              |   |
|            | Financial support from institution                                   |                     |                     |   |
|            | Financial support from government                                    | 418                 | 2465107             |   |
|            | Number of students who received International/ National recognitions |                     |                     |   |
| 5.11 Stu   | ident organised / initiatives  |                     |                     |   |
| Fairs      | : State/ University level Natio                                      | nal level           | International level |   |
| Exhibition | n: State/ University level Natio                                     | nal level           | International level |   |
| 5.12 No    | of social initiatives undertaken by the stu                          | dents               |                     |   |
| 5.13 Majo  | or grievances of students (if any) redressed                         | :-                  |                     |   |

# Criterion - VI

### 6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

#### Vision:

Education with Excellence and Discipline

#### Mission:

- Imparting higher education in pure and applied sciences.
- Improvising thinking capacity and analytical aptitude amongst students.
- Physical, mental and spiritual development of students.
- Amalgamating cultural and ethical values in higher education of the rural folk.
- Enhancing social awareness and responsibilities of the students by community oriented activities.
- Inculcating leadership quality and patriotism among the student community.
- Utmost priority to national integration.
- Providing avenues for knowledge exchanges.
- 6.2 Does the Institution has a management Information System

Yes

- 6.3 Quality improvement strategies adopted by the institution for each of the following:
- 6.3.1 Curriculum Development
  - The curriculum is developed by the University. For autonomous courses from 2016-7 onwards the concerned BOS will develop the curriculum
  - The college has introduced Add-on Courses and certificate courses
- 6.3.2 Teaching and Learning
  - Motivating the teachers to use the modern technology for teaching
  - Encouraging Seminars and Power Point Presentations by students.
  - Giving individual attention during Practical classes.
- 6.3.3 Examination and Evaluation
  - CBCS system is adopted by the University in PG courses
  - Continuous evaluation
  - Industrial visit

#### 6.3.4 Research and Development

- Research Advisory committee constituted
- Research paper presentation by PG Students in the national and international conferences/seminars and workshops

#### 6.3.5 Library, ICT and physical infrastructure / instrumentation

- Our Institution is a member of N-LIST (National Library and Information Services Infrastructure of scholarly content) which is working under INFLIBNET (Information and Library Network Centre) that provides access to Electonic Journals and Electronic books to eligible colleges. The annual Membership fees of Rs 5000 is being paid by the institution.
- The Library is installed with library automation software to easy access the Books.

#### 6.3.6 Human Resource Management

• Faculty are given some administrative responsibilities so that the human resource is utilized to maximum extent.

#### 6.3.7 Faculty and Staff recruitment

- All recruitments are done by the Government of Karnataka.
- The requirements are intimated to the Govt. from time to time.
- Guest faculty are appointed on ad-hoc basis so that the normal teaching process is not hampered.

#### 6.3.8 Industry Interaction / Collaboration

- The computer science department has signed MoU with Computer Science
   Department of Government Engineering College Hassan
- Mathematics department has signed MOU with Master Control Facility of ISRO unit of Hassan
- Some industrial visits are conducted so that students get first hand information about different industrial techniques.

| 6.3.9 Admission of Student |
|----------------------------|
|----------------------------|

- Admission committee looks after all admission process taking place in the institution
- Admission is purely on merit basis and done in transparent procedure.
- Reservations are strictly followed as per state government rules and policies
- Students are encouraged to take some special combinations like BMBt, CZBt and EMCs etc.
- Admission to M.Sc programme is done by University through central admission system by entrance examination and counselling

| 6  | 1 | XZ/ | <u>1</u> 1م | fare | ec] | hai | mes      | for |
|----|---|-----|-------------|------|-----|-----|----------|-----|
| n. | 4 | w   | еп          | iare | SC  | пе  | $\cdots$ | COU |

| Teaching | GPF, KGID, GIS, Loan facility             |
|----------|---|
| Non      | GPF, KGID, GIS, Loan facility             |
| teaching | Uniform allowance for peons               |
|          | Medical allowance                         |
| Students | Scholarship facility to eligible students |

| 6.6 Whether annual financial audit has been done  V Yes No | 6.5 Total corpus fund generated           | About 7.0 lakhs |   |     |    |
|--|---|-----------------|---|-----|----|
|  | 6.6 Whether annual financial audit has be | een done        | V | Yes | No |

| Audit Type     | External |  | Inte   | Internal                       |  |
|----------------|----------|--|--------|--------------------------------|--|
|                | Yes/No   | Agency   | Yes/No | Authority                      |  |
| Academic       | Yes      | Affiliation<br>Committee of<br>University        | Yes    | Academic<br>Audit<br>Committee |  |
| Administrative | Yes      | Joint Director,<br>DCE,<br>Accountant<br>General | Yes    | Internal<br>Audit              |  |

|         | Administrative       | Yes                          | Joint Director, DCE, Accountant General | Yes              | Internal<br>Audit |
|---------|----------------------|------------------------------|---|------------------|-------------------|
| 6.8 Doe | es the University/ A | autonomous C<br>r UG Program |   | esults within 30 | ) days?           |
|         | Fo                   | r PG Program                 | mes Yes                                 | No               | ٧                 |
| AQAR 2  | 015-16, Governmer    | nt Science Colle             | ege, Hassan                             |                  |                   |

- 6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?
  - Online examination process by Mysore University
  - Restricting addition of supplements to main answer books.
  - Coding of Answer scripts for valuation
  - Provision for Photo copy, Re-totalling and Re-valuation
- 6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?
  - Our college has been conferred autonomy by UGC in April 2015. However due to the inordinate delay in getting NOC from University and Government, the college could not start functioning as autonomous college. In the third quarter of the year all the formalities are met with and the college will start working as autonomous from 2016-17
- 6.11 Activities and support from the Alumni Association
  - Placement cell in association with Alumni association has organised a programme in which Mr. Chethan, pursuing his MS at Wipro from Birla Institute of Technology, Rajasthan shared his experience and encouraged the students for attending campus interviews.
- 6.12 Activities and support from the Parent Teacher Association
  - Scholarships to the poor and needy meritorious students
  - Appointment of Class IV employees
- 6.13 Development programmes for support staff
  - No special programme has been conducted. However the ministerial staff are deputed for training programmes arranged by District Institute of Education and Training
- 6.14 Initiatives taken by the institution to make the campus eco-friendly
  - Campus cleaning programme by NSS
  - Plastic free Zone
  - Planting trees through ECO Club

# Criterion - VII

# 7. Innovations and Best Practices

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

Collection of feedback from the students and its analysis created a positive attitude towards effective teaching.

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year

| Activities planned in the beginning                                       | Activities Executed   |
|---|---|
| Preparation of departmental action plan at the beginning of academic year | Action plan is prepared by all the departments and wings like NSS, NCC, Cultural Forum, Science Forum etc. The action plan is executed partially  |
| Conduct Orientation programme to I sem students                           | Conducted Orientation Programme   |
| To conduct seminars/Workshops   | <ol> <li>NAAC Sponsored National level Seminar was organized by IQAC on the topic Quality Assurance and Sustenance in Higher Education Institutions- Issues and Challenges" on 1-03-2016</li> <li>UGC sponsored National level seminar was organized by Physics Department on the topic Recent Advances in Nanoscience and Nanotechnology</li> <li>UGC sponsored National level seminar was organized by Department of PG studies in Chemisty on the topic Emerging Trends in Analytical Techniques" on March 28 and 29the 2016.</li> <li>One Institutional level workshops conducted on CBCS Rules and Regulations for B.Sc and M.Sc syllabus for Autonomous Colleges.on 24-07-2015</li> </ol> |
|   |   |
| To submit research project to various funding                             | About 8 research projects were submitted to   |
| agency  | UGC under Minor research projects   |
| To submit proposals to UGC for Conducting                                 | Four proposals were submitted to UGC for  |

|   | 1 1 0 0 111  |
|---|--|
| National seminar/conferences                          | conducting seminar and conferenes. Out which   |
|   | two proposals were approved by UGC to  |
|   | sanction grant in this academic year.  |
| To conduct guest lectures                             | Many guest lecturers were organized by   |
|   | various departments  |
| Display wall Magazines                                | Two magazines were displayed in PG   |
|   | Department two in Mathematic department  |
| To conduct guest lectures                             | Many guest lecturers were organized by   |
|   | various departments  |
| To release Magazine at the Departmental               | One Magazine from PG Department of   |
| levels  | Chemistry and one from Science forum and   |
|   | one from sports Department were released.  |
| Students are encouraged to participate in             | Many students were participated in various   |
| various intercollegiate and university level          | cultural events and sports events  |
| cultural and sport activities                         | _  |
| Steps to motivate students for campus                 | Placement cell of the College actively involved  |
| placements  | and many students were placed various  |
|   | multinational companies and industries.  |
| To arrange quiz competitions                          | Institutional level science quiz competition war   |
|   | conducted.   |
| Interaction of students with scientists and           |  |
| noble personalities                                   |  |
| To conduct integration awareness camps                | NSS unit conducted Annual camps  |
| To conduct Field visit, Industrial visits             | Many departments have arranged field trips   |
|   | and industrial visits  |
| Awareness Rally                                       | Swach Bharath Rally by Scouts/NSS/NCC  |
| Conduct Students counseling                           | Conducted Students' counseling   |
| To Organize Alumini interactions and Parents meetings | Parents meeting has been convened  |
| Implement Green Campus and Clean Campus               | Gandhi Jayanthi Day was celebrated by  |
|   | cleaning the college campus in which all   |
|   | faculty members and ministerial staff have   |
|   | participated. Many tree saplings were planted  |
|   | on the College Campus  |
| Inculcate Research Culture among faculties            | Many Teachers and Students were encouraged   |
| and students  | to present their research findings in various  |
|   | National and International conferences/  |
|   | seminars/Workshops   |
| Faculties are encouraged to publish papers in         | Many teachers have published their papers in   |
| national –international journals                      | national and international peer reviewed   |
| To any day Down diel Cl                               | Journals Manual and American distributions of the Company of the C |
| To conduct Remedial Classes                           | Many departments conducted remedial classes  |
| Ctana ta initiata Add an account and according        | for slow learners  |
| Steps to initiate Add-on courses and certificate      | Add-on course on Computer Network  |
| courses   | Simulation and Tissue Culture were started   |

| 7.3 Give two Best Practices of the institution (ple Manuals)                        | ase see the format in the NAAC Self-study |
|---|---|
| Annexure I  |   |
| *Provide the details in annexure (annexure  | need to be numbered as i. ii.iii)         |
| 7.4 Contribution to environmental awareness / protection                            |   |
| Plastic free Zone   |   |
| Plantation by NSS units   |   |
| Programmes under ECO CLUB for envi.   | ronmental awareness.                      |
| Campus cleaning programme on all spe-   |   |
| 7.6 WE AL   | Van No I                                  |
| 7.5 Whether environmental audit was conducted?                                      | Yes No V                                  |
| 7.6 Any other relevant information the institution wi                               | shes to add. (For example SWOT Analysis)  |
|   |   |
| SWOT analysis has been conducted. The deta  | ails of analysis are                      |
| provided in Annexure II   |   |
| 8. Plans of institution for next year   |   |
| Student faculty programme will be i   | ntroduced in UG and PG where meritorious  |
| final year students will be allowed to te   |   |
| Organising national level seminar in di   |   |
| To Start mid day meal to poor and need  |   |
| "Swachha Campus Programme" all  |   |
| Organise at least two state level scientif     To conduct Value Education Classes a |   |
| To conduct Value Education Classes a     Introducing "Thought For the Day" p.       |   |
|   | ne currently brought out by PG Departmen  |
| of Chemistry to all the UG departments  |   |
| Continuation of all quality sustenance  |   |
| <ul> <li>To Bring out departmental Magazine in</li> </ul>                           | n each department                         |
| To make College campus green  |   |
| L. D. M. M. L.D. L.   | Name Doct C.U. Company of                 |
| Name: Dr. M. Abdul Rahiman  | Name Prof. S.H. Gangegowda                |
| Attoriva  |   |
| Co-ordinator Signatureal/Quality Assurance Cell (IQAC)                              | Signature of the Chairperson, IQAC        |
| Governament Science College   | Govt. Science College                     |
| Hassen-573 201  | Hassan-573201                             |
|   |   |

#### Annexure I

#### BEST PRACTICES OF THE INSTITUTION

#### 1. Student Counselling:

- a) **Goal :** The main goal of counselling is to retain the students showing unwillingness to continue education
- b) Context: It is observed that some students show little unwillingness to continue their education few weeks after their admission in both UG and PG courses. They have some behavioural problems too. Such students are to be counselled properly so that their fear for education or other problems etc are to be mitigated.
- c) The Practice: The students are invited for discussion with the trained counsellors of our college. Their real problems are understood. They are given proper advice. Their parents are also consulted and advised to provide ambient atmosphere at home for their studies. Records of such counselling are kept in the students counselling cell.
- **d) Evidence of Success: More** than 10 students of UG and PG courses are made to continue their education after confidence building process.

#### 2. Student support by Parents Association

- a) Goal: The goal of this practice is to support the meritorious but economically backward students.
- **b) Context:** Though our college is situated in urban area, majority of students are from rural background. We have observed some students leaving the course for want of money. In this context the institution has approached Parents Association
- a) The Practice: The students are selected based on their parents' income. They are advised to give an undertaking about the continuation of their education. Then the association will issue cheques and care will be taken to see that the amount is spent forf the purpose for which it is sanctioned.
- b) **Evidence of success:** The students helped by Parents Association have continued their education and could able to get even PG seats.

#### **Annexure II**

### **SWOT ANALYSIS**

#### **Strengths:**

- 1. The college has 26 acres of land with, turf cricket pitch Playground
- 2. The college is having 12B & 2f status and is accredited by NAAC
- 3. College is having M.Sc. program in General Chemistry and in B.Sc. Several course combinations viz., PCM, PME, PMCs, CBZ, CZBt, BMBt, BBM and BCA course.
- 4. Library has huge collection of 35000 books and subscribed with INFLIBNET FACILITY and provided with UGC Network Resource Centre and *Wi-Fi facility*.
- 5. The College has separate girls hostel catering the needs of rural students
- 6. Well qualified and dedicated faculty.
- 7. Two major and many minor research projects are under way by funding from various funding agencies like UGC, DST and VGST ect.
- 8. The faculties are publishing research papers in international journals of high repute.
- 9. The College is having two add-on Courses Viz., Tisuue Culture and Network Simulation.
- 10. Well established Job information and Placement Cell (JIPC)
- 11. The academic result of the college is always higher than University average and it indicates excellence of the College.

#### II. Weakness:

- 1. Student to teacher ratio is high (25:1) and 78% of faculties are not PhD qualified.
- 2. Teaching to non-teaching staff ratio is 1: 0.5.
- 3. More than 50 guest lecturers.
- 4. Library building space is not adequate, not automated
- 5. Insufficient number of class rooms and also existing ones are partially equipped with Modern ICT facility / smart class.
- 6. No academic freedom in restructuring courses and in bringing academic reforms.
- 7. There is no or very little research atmosphere for faculty to carry out the research
- 8. Faculties are not exposed to teaching methodologies, hence they need pedagogy training.
- 9. There is no Technical staff.

#### **III. Opportunities:**

- 1. Scope for autonomy status and sufficient land for developing infrastructure for future growth and expansion.
- 2. Scope for introducing new PG courses, more electives in UG courses, add-on courses and increasing student strength for PG Chemistry course from 24 to 36.
- 3. Scope for up-gradation of central computer laboratory.
- 4. Scope for MOU with research institutes and industry for collaborative work.
- 5. Opportunity of conducting societal based research such as soil analysis, water analysis and tissue culture etc.,
- 6. There is scope for providing special grants to faculty to carry out research.
- 7. Enhancing the organizing skill amongst faculty to organize workshops, Seminars, Symposium and Conferences.
- 8. There is scope for enhancing the knowledge of procurement among administrative staff
- 9. There is provision to enhance the graduate employability by introducing certificate courses in different disciplines.
- 10. Providing the knowledge of industry and industrial skills among teachers and students.

#### IV. Threats:

- 1. Students and parents are showing more affinity towards professional courses.
- 2. Government of Karnataka has given complete exemption of tuition fee in the aided colleges also and this may reflect in decreasing admissions.
- 3. Since institution is government, faculty retention is a major problem because of transfers.
- 4. Lack of skilled laboratory attenders.

### **Annexure III**

# Academic Calendar of the year 2015-16

# For UG courses

| SI. No | Particulars  | Date       |
|--------|--|------------|
|        |  |            |
| 01     | Re-opening of Colleges for the academic year 2015-16 (Teaching       | 29-06-2015 |
|        | Faculty should assist the admission process)                         |            |
| 02     | Commencement of odd semester classes (I, III, V semester/ I, III, V) | 01-07-2015 |
| 03     | Last date for admission for 1 <sup>st</sup> Semester                 | 15-07-2015 |
| 04     | Last date for admission with penal fee                               | 31-01-2015 |
| 05     | Last working day of the odd semester programmes                      | 31-10-2015 |
| 06     | Mid-term Vacation (Including conducting of examination and           | 01-11-2015 |
|        | valuation work of last semesters)                                    | То         |
|        |  | 31-12-2015 |
| 07     | Commencement of odd semester Examination                             | 02-11-2015 |
| 08     | Commencement of all even Semester Classes (II, IV, VI Semesters/     | 11-01-2016 |
|        | I, II, III year)   |            |
| 09     | Last working day of even semester programmes                         | 11-04-2016 |
| 10     | Summer Vacation (Including conducting of Examinations and            | 12-05-2016 |
|        | valuation work of even semesters)                                    | To         |
|        |  | 09-07-2016 |
| 11     | Commencement of Even Semester Examinations.                          | 16-05-2016 |
| 12     | Re-opening of Department/ College for the Academic year-2016-17.     | 11-07-2016 |

**NOTE**: 1) If a particular day is declared as a holiday, then the Corresponding event will come into effect on the next working day.

2) Notification regarding Calendar of events relating to the conduct of Examination will be issued by the Registrar (Evaluation), from time to time.

# **Annexure IV**

# Academic Calendar of the year 2015-16

# **For PG Courses**

| SI. No | Particulars  | Date       |
|--------|--|------------|
|        |  |            |
| 01     | Re-opening of P.G Department in the University / P.G. Department in                        | 15-07-2015 |
|        | the Colleges   |            |
| 02     | Commencement of III semester classes   | 20-07-2015 |
| 03     | Last date for admission for III Semester   | 25-07-2015 |
| 04     | Last date for admission for III semester with fine   | 26-07-2015 |
|        | Last date for admission for the semester with the  | to         |
|        |  | 31-07-2015 |
| 05     | Commencement of I semester classes   | 04-09-2015 |
| 06     | Last date for admission for III Semester   | 23-09-2015 |
| 07     | End of 1 <sup>st</sup> and 3 <sup>rd</sup> Semester classes in the P.G. Departments in the | 02-11-2015 |
|        | University/ P.G. Departments in the Colleges.  |            |
| 08     | Mid-term Vacation for 1 <sup>st</sup> and 3 <sup>rd</sup> Semester students                | 27-12-2015 |
| 09     | Commencement of Exam for both I & III semester students                                    | 11-01-2016 |
| 10     | Commencement of Even Semester Classes II & IV.   | 08-02-2016 |
| 11     | Closure of Even Semesters II & IV.   | 07-06-2016 |
| 12     | Summer Vacation  | 08-06-2016 |
|        |  | То         |
|        |  | 14-07-2016 |
| 13     | Commencement of Even Semester Examinations   | 10-06-2016 |
| 14     | Re-opening of P.G. Departments in the University & P.G. Departments                        | 15-07-2016 |
|        | in the colleges for the Academic year 2016-17  |            |

**NOTE**: 1) If a particular day is declared as a holiday, then the Corresponding event will come into effect on the next working day.

2) Notification regarding Calendar of events relating to the conduct of Examination will be issued by the Registrar (Evaluation), from time to time.

### Annexure V

# Programmes/Activities conducted by various departments in the Academic Year 2015-16

| Date        | Programmes arranged   | Department         |
|-------------|---|--------------------|
| 29-06-2015  | Reopening of the College                                    |                    |
| 10-07-2015  | Orientation programme for Ist year B.Sc Degree students     | All UG Departments |
| 17-07-2015  | Selection of students for NCC training                      | NCC unit           |
| 29-7-2015   | Kalam-Salam programme                                       | NSS unit           |
| 07-08-2015  | Inaugurating wall papers on various fields of Mathematics   | Mathematics dept.  |
| 12-08-2015  | Celebrated World Geneva Day , Sri Anuganalu                 | NSS Unit           |
|             | Krishnamurthy, Secretary, Red Cross society, Hassan         |                    |
|             | delivered lecture   |                    |
| 12-08-2015  | Working on La TeX for Final year B.Sc electronic students   | Electronic dept.   |
| 14-8-2015   | Interaction with Alumni students                            | Alumni Assocn      |
| 15-08-2015  | Celebration of Independence day                             | By all departments |
| 17-08-2015  | Special lecture on Application of ODE in various fields by  | Mathematics        |
|             | Dr. Mahabaleshwar Asst. Prof. Govt. Womens college          |                    |
|             | Hassan  |                    |
| 19-08-2015  | Inauguration of Cultural event and Talent hunt Programme    | Cultural committee |
| 20-08-2015  | Career in Indian Air Force For students in II and III B.Sc. | Placement cell     |
| &           | students. J.P. Mishra, Sergeant, IAF, Bangalore and         |                    |
| 21-08-2015  | Basavaraju, Corporal, IAF Bangalore and Vijayalakshmi       |                    |
|             | J.B., Employment officer were the resource persons          |                    |
| 4-9-2015    | Inauguration of physical society activities                 | Physics Dept       |
| 4-09-2015   | Interaction of photographer krupakar and Senani with        | Science forum      |
|             | students on account of Science forum inauguration           |                    |
| 1-9-2015 to | Project work and seminars for III B.Sc. Students            | Physics dept.      |
| 30-9-2015   |   |                    |
| 07-09-2015  | Programme on awareness of womens harassment redress,        | Womens             |
|             | legal awareness, and self protection                        | Harassment redress |
|             | Manjula Manasa, president State womens commission,          | cell               |
|             | and Sathish Singh District Judge, Hassan were the resource  |                    |
|             | persons   |                    |
| 11-09-2015  | Malgudi Recreated by students which included skits,         | English forum      |
|             | models paintings, write ups short films etc were conducted  |                    |
| 21-09-2015  | Conducted student seminar on Group Theory                   | Mathematics        |
| 24-9-2015   | Celebrated NSS day . Prof. Asst. Prof. AVK Hassan was       | NSS Unit           |
|             | the resource person   |                    |
| 25-9-2015   | Group discussion and Mock interview                         | Placement cell     |

| 07-10-2015 | Students were invited to AVK College for Women Hassan      | English forum       |
|------------|--|---------------------|
|            | where they performed a skit based o Seami and Friend and   | C                   |
|            | they also showcased a short film acted directed and filmed |                     |
|            | by our students  |                     |
| 12-10-2015 | Visit to Medical College, Hassan by Final year B.Sc.       | Innovation Club     |
|            | Students   |                     |
| 15-10-2015 | Inauguration of Chem forum activities by delivering the    | PG Chemistry        |
|            | invited talk on Solar Cells by K.M. Mahadevan, Professor   |                     |
|            | of Chemistry, Kuvempu University                           |                     |
| 15-10-2015 | Unveiling of Wall Magazine Spectrum Vol. V. With the       | PG Chemistry        |
|            | topic Green Chemistry                                      |                     |
| 15-10-2015 | Release of Department Magazine Chemazine Vol. II           | PG Chemistry        |
| 23-10-2015 | Invited talk on Application of PDE in various fields by    | Mathematics         |
|            | Prof. Natesha M.K. Asst. Prof. GFGC Holenarasipura         |                     |
| 1-11-2015  | Organized Kannada Rajyotsava rally                         | NCC Unit            |
| 24-11-2015 | Training on working electronic project model               | Electronic dept.    |
| 12-01-2016 | Celebrated the Swami Vivekananda Jayanthi on account of    |                     |
|            | National Youth's week                                      |                     |
| 13-1-2016  | Aptitude, competitive test and information about           | Placement cell      |
|            | competitive exam Prof. Sharathchandra was the resource     |                     |
|            | person   |                     |
| 14-01-2016 | Teachers from DIET visited the Chemistry Department and    | Chemistry UG        |
|            | interacted with the teachers of various schools of Hassan  |                     |
|            | Districts  |                     |
| 16-01-2016 | Organized Debate completion on eve of Swamy Vivekanda      | NCC Unit            |
|            | birthday   |                     |
| 26-01-2016 | Celebrated Republic Day                                    | All Departments     |
| 26-01-2016 | Conducted cycle rally on account of National Youth day     | Scout and guides    |
| 27-01-2016 | Conducted the Physics quiz for B.Sc. students              | Physics dept        |
| 27-01-2016 | Introduced an APP called FIR by police department          | NSS Unit            |
| 29-01-2016 | Conducted student seminar on the topic Differential        | Mathematics         |
|            | Equation   |                     |
| 30-01-2016 | Industrial visit to KMF unit Hassan by III B.Sc. Zoology   | Zoology dept.       |
|            | students   |                     |
| 19-01-2016 | Organized Self Defence and Rifle Trainig in Police         | NCC Unit            |
| to         | ground, Hassan for NCC cadets                              |                     |
| 31-01-2016 |  |                     |
| 16-02-2016 | Visit to GKVK campus Hassan I CBZ Students                 | Zoology Dept.       |
| 17-02-2016 | Organized Traffic rules awarness                           | NCC Unit            |
| 13-02-2016 | III B.Sc. PCM students visited National Textile            | Chemistry UG        |
|            | Corporation Minarva Mills, Hassan on 13-02-2016            |                     |
| 05-02-2016 | Programme on Students counselling by Dr. Narayan           | Student counselling |
|            | Prakash  |                     |

| 16-02-2016 | Science Quiz for B.Sc Students                            | Science forum      |
|------------|---|--------------------|
| 21-2-2016  | Recume/CV/ biodata preparation                            | Placement cell     |
| 22-02-2016 | Organized Founders day Lord BP day celebration            | Scouts and Guides2 |
| 26-02-2016 | Conducted UGC sponsored National level seminar on         | Physics Dept.      |
|            | Recent Advances in Nanoscience and Nanotechnology         |                    |
| 27-02-2016 | Celebrated Ethnic day and Food fest                       | Cultural committee |
| 29-02-2016 | Celebrated Science day                                    | All Departements   |
| 29-02-2016 | Organized District level Science model exhibition and     | Science forum      |
|            | science day celebration                                   |                    |
| 03-03-2016 | Industrial motivational campaign , Srinivass M Jamakandi, | Placement cell     |
|            | Director, IISc MSME centre for excellence Bengalore, Sri  |                    |
|            | Hamsraj Industrialist Hassan, Sri Ananda Murthy Deputy    |                    |
|            | Director, MSME Bangaluru were teh resource persons        |                    |
| 4-3-2016   | Training on Self protection for girl students             | Women redress cell |
| March 2016 | Showing of movie The Merchant of Venice                   | English forum      |
| 17-03-2016 | Short film on life history of Mathematics                 | Mathematics        |
| 16-03-2016 | Conducted NSS village Annual camp                         | NSS Unit           |
| to         |   |                    |
| 22-03-2016 |   |                    |
| 28-03-2016 | UGC sponsored two days National level seminar on          | PG Chemistry       |
| and        | Emerging Trends in Analytical Techniques                  |                    |
| 29-03-2016 | Six invited lectures oral presentation and poster         |                    |
|            | presentaion   |                    |
| 30-03-2016 | Seminar was conducted for final year BMBt students on     | Innovation club    |
|            | the topic Recent Developments in Genetic Engineering      |                    |
| April 2016 | Celebration of Shakesphere's birthday                     | English forum      |
| 13-04-2016 | College day celebration                                   | Cultural and all   |
|            |   | other committee    |
| 21-04-2016 | Programme on What after B.Sc Prof Kiran was the           | Placement cell     |
|            | resource person   |                    |
| 16-05-2016 | Conducted section wise quiz competition                   | Mathematics        |
| 23-05-2016 | Visit to Agriculatural College and Biodiesel Park         | Innovation club    |
|            | Karakere, Hassan by final year CZbt and BMBt studants     |                    |
| 25-05-2016 | Conducted student seminar on the topic Differential       | Mathematics        |
|            | Equations   |                    |
| 28-05-2015 | Industrial visit to Sequent scientific Private limited,   | PG Chemistry       |
| and 29-05- | Mangalore by M.Sc chemistry students                      |                    |
| 2015       |   |                    |

# **Annexure VI**

# Action Plan for the Academic Year 2016-2017

| Date        | Programmes Scheduled   | Department         |
|-------------|--|--------------------|
| July 2016   | Orientation programme for I sem students                           | All UG Departments |
| July 2016   | Parents meeting for hostel admission                               | Ladies hostel      |
|             |  | committee          |
| July 2016   | Introduction to Placement cell, creation of email ID               | JIPC cell          |
| July 2016   | Selection of students for NCC                                      | NCC                |
| 09—8-2016   | Special lecture on relevance of English language for               | English            |
|             | degree students  |                    |
| August 2016 | Registration to NSS unit   | NSS                |
| 15-08-2016  | Independent day celebration  | All departments    |
| August 2016 | Inauguration of cultural activities, talent hunt programme         | Cultural committee |
| August 2016 | Student seminar presentation                                       | Microbiology       |
| August 2016 | Resume/Cv/Biodata preparation, Group discussion and                | JIPC cell          |
|             | Mock interview   |                    |
| August 2016 | To hot talent hunt –I competition                                  | Cultural committee |
| August 2016 | Blood donation camp  | NSS                |
| 23-08-2016  | Hands on training session for 3 <sup>rd</sup> semester electronics | Electronics        |
|             | students on working model in electronics                           |                    |
| 25-8-2016   | Awareness on NAIN sponsored student project                        | Research Advisory  |
|             |  | committee          |
| 20-7-2016   | Introduction to job information placement cell                     | Placement cell     |
| August 2016 | Information about the Scouts and Guides, Rover and                 | Scouts, Guides,    |
|             | Rangers for I B.Sc. students                                       | Rovers and Guides  |
|             |  | unit               |
| August 2016 | Invited talk from Dr. Mahabaleshwara GFGCW, Hassan                 | Mathematics        |
| 14-08-2016  | Programme on carrier in Indian Air Force                           | Placement cell     |
| September   | Inauguration of Physical Society activities                        | Physics            |
| 2016        |  |                    |
| September   | Information to competitive exam, letter writing, essay             | JIPC cell          |
| 2016        | writing  |                    |
| September   | Field trips-Water treatment plant, Agriculture Research            | Microbilogy        |
| 2016        | Institute  |                    |
| September   | Visit to National Bioinformation centre                            | Biotechnology      |
| 2016        |  |                    |
| September   | Visit and interaction with poets                                   | Kannada            |
| 2016        |  |                    |
| September   | Interaction with the Students admitted to M.Sc                     | Mathematics        |
| 2016        | Mathematics course   |                    |
| 15-09-2016  | Programme on Resume/CV/Biodata preparation                         | Placement cell     |

| 22-09-2019               | Competition on knowledge of Scientific instruments in the college                                     | Research Advisory committee |
|--------------------------|---|-----------------------------|
| 25-09-2016               | Programme on Group Discussion (GD) and Mock Interview   | Placement cell              |
| 1 <sup>st</sup> week of  | Inauguration of Chemform activities and Interaction with  | PG Chemistry                |
| October                  | Industrial scientist Me. Uday Kumar   | ·                           |
| 1 <sup>st</sup> week of  | Unveiling of Wall Magazine Spectrum Vol VI  | PG Chemistry                |
| October                  |   | •                           |
| 02-10-2016               | Gandhi Jayanti celebration  | All departments             |
| October 2016             | Project work and Seminar for III B.Sc. Students   | Physics                     |
| October 2016             | Verbal English communication class, aptitude /competitive class                                       | JIPC cell                   |
| October 2016             | Proposed to general health checkup  | Ladies hostel               |
|                          |   | committee                   |
| 20-10-2016               | Workshop for the B.Sc. 5 <sup>th</sup> semester electronics students on project based microcontroller | Electronics                 |
| October 2016             | Unveiling of Wall Magazine  | Mathematics                 |
| November 2 <sup>nd</sup> | To conduct green survey of the college  | Clean and green             |
| week                     |   | campus committee            |
| November 2 <sup>nd</sup> | To train the students for variety programme and take then   | Cultural committee          |
| week                     | AIR fro recording   |                             |
| 11-11-2016               | Progaramme on Letter Writing, Essay writing   | Placement cell              |
| December last            | Special lecture programme on human Rights   | Grievances redressal        |
| week                     |   | cell                        |
| December 2 <sup>nd</sup> | Extension activity towards development of college garden  | College alumni              |
| week                     |   | association                 |
| January 2017             | National Youth Day (Swamy Vivekanda Jayanthi  | Scouts, Guides,             |
|                          | Celebratin)   | Rovers and Guides           |
|                          |   | unit                        |
| January 2017             | Lecture programme on healthy hazards  | Ladies hostel               |
|                          |   | committee                   |
| January 2017             | Departmental poster presentation on various topics  | Microbiology                |
| January 2017             | Organising student seminar and group discussion   | Biotechnology               |
| January 2017             | Blood group detection camp  | NSS                         |
| January 2 <sup>nd</sup>  | Invited talk on Health and Hygiene by Dr. Ramesh  | Zoology                     |
| week                     |   |                             |
| January 3 <sup>rd</sup>  | Tree vitalizing programme   | Clean and green             |
| week                     |   | campus committee            |
| January 2017             | Physics Quiz Competition  | Physics                     |
| January 2017             | Invited talk  | Chemistry UG                |
| January 2017             | Job opportunity Lecture   | NCC                         |
| January 2017             | General awareness programme   | Grievances redressal        |

|                            |  | cell               |
|----------------------------|--|--------------------|
| January 2017               | Seminar from students                                    | Mathematics        |
| 15-01-2017                 | Giving information regarding competition exam            | Placement cell     |
| February 1 <sup>st</sup>   | Study of exosystem by visiting a natural habitat         | Zoology            |
| week                       |  |                    |
| February 2017              | Founder's Day Celebration (Lord BP day)                  | Scouts, Guides,    |
| -                          |  | Rovers and Guides  |
|                            |  | unit               |
| February 2017              | Special camp   | NSS                |
| February 2017              | Health Hygiene Sanitation Lecture                        | NCC                |
| February 2 <sup>nd</sup>   | Indepth programme for Govt. School students of lower     | Zoology            |
| week                       | classess   |                    |
| February 2017              | Invited talk on research planning and methodology        | Research Advisory  |
|                            |  | committee          |
| February 2017              | Lecture Contest for students                             | Physics            |
| February 2017              | Departmental quiz competition                            | Mathematics        |
| February 2017              | Scientific model preparation                             | Microbiology       |
| February 2017              | One day workshop on new syllabus ( Liquid crystals and   | Physics            |
| -                          | optoelectronics)   | -                  |
| February 2017              | Science day celebration                                  | Science forum and  |
|                            |  | all departments    |
| 10-02-2017                 | Verbal/English communication class                       | Placement cell     |
| 20-02—2017                 | Aptitude/Competitive Test Class                          | Placement cell     |
| February 3 <sup>rd</sup>   | Lecture programme to educate the students about benefits | Clean and green    |
| week                       | of keeping the campus clean and green                    | campus committee   |
| 10-03-2017                 | Programme on What next after B.Sc?                       | Placement cell     |
| 2 <sup>nd</sup> week of    | University level Chemistry quiz competition for degree   | PG Chemistry       |
| March                      | students   |                    |
| March 2 <sup>nd</sup>      | To host ethnic day and food test                         | Cultural committee |
| week 2017                  |  |                    |
| March 2017                 | Industrial Motivational Campaign                         | Placement cell     |
| March 2017                 | UGC sponsored National conference                        | Biochemistry       |
| March 2017                 | Documentary of mathematics                               | Mathematics        |
| March 2017                 | Diary and Medical college and diagnostic labs            | Microbiology       |
| 15-03-2017                 | An invited talk on the scope of M.Sc in Electronics      | Electronics club   |
| March 2017                 | Educational tour   | Biochemistry       |
| March 2017                 | Debate and oration competition                           | English            |
| March 2017                 | One day educational tour to ISRO Bangalore               | Physics            |
| March 2017                 | Hike and other social activities                         | Scouts, Guides,    |
|                            |  | Rovers and Guides  |
|                            |  | unit               |
| March 2017                 | Project work and seminar for III B.Sc students           | Physics            |
| April 1 <sup>st</sup> week | To host various competition Talent hunt Phase II         | Cultural committee |

| 2017                     |  |                    |
|--------------------------|--|--------------------|
| 10-04-2017               | Visit to Hassan FM station for final B.Sc. electronics | Electronics club   |
|                          | students   |                    |
| April                    | College day celebration                                | Cultural committee |
| 2ndweek 2017             |  |                    |
| April 2017               | Lecture programme on Stress Management                 | Ladies hostel      |
|                          |  | committee          |
| April 2017               | PG entrance exam coaching                              | Biochemistry       |
| April 2017               | Celebration of Shakespeaare's Birthday                 | English            |
| May 3 <sup>rd</sup> week | Industrial visit                                       | PG Chemistry       |
| 1 <sup>st</sup> week of  | Valedictory of Chem form and invited talk              | PG Chemsitry       |
| June                     |  |                    |