# 4ᵀᴴ ANNUAL QUALITY ASSURANCE REPORT (AQAR) 2014-15

**FOR**

**SUBMISSION TO**

# NATIONAL ASSESSMENT & ACCREDITATION COUNCIL

**BANGALORE**

by

Internal Quality Assurance Cell (IQAC)

RAMTHAKUR COLLEGE (AFFILIATED)

NAAC EXECUTIVE COMMITTEE NO.: EC/54/A&A/24, JAN' 08, 2011

# Contents

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## The Annual Quality Assurance Report (AQAR) of the IQAC
## Academic Year July 1, 2014 to June 30, 2015

The AQAR is an annual self-reviewed progress report submitted to NAAC, through its IQAC. The report is to detail the tangible results achieved in key areas, specifically identified by the institutional IQAC at the beginning of the academic year.

# Part – A

## 1. Details of the Institution

**1.1** Name of the Institution**:**     Ramthakur College

**1.2** Address :     Badharghat , P.O. Siddhiashram,  Dist. West Tripura

City/ Town:     Agartala

State:     Tripura

Pin Code:     799003

Institution Email Address:     ramthakur.college@rediffmail.com

Contact Numbers:     0381-237-0295

Name of the Head of the Institution (during 2014-15):     Dr. Debabrata Goswami

Name of the Head of the Institution (during submission):     Dr. Md. Mojahid Rahaman

Tel. No. with STD Code:     0381-237-0295

Mobile:     -

Name of the IQAC Co-ordinator (during 2014-15):     Sri Debajit Chakraborty

Name of the IQAC Co-ordinator (during submission):     Dr. Ruma Saha

Mobile:     -

IQAC E-mail Address:     iqacrtc@gmail.com

1.3   NAAC Track ID:

> Not Available

1.4   NAAC Executive Committee No. & Date:

> EC/54/A&A/24, dated 8-1-2011

1.5   Website address:

> http://www.ramthakurcollege.nic.in

Web-link of the AQAR:

> www.ramthakurcollege.nic.in/AQAR/AQAR_ 2014-15.pdf

1.6   Accreditation Details:

| Sl. No. | Cycle | Grade | CGPA | Year of Accreditation | Validity Period |
|---------|-------|-------|------|-----------------------|-----------------|
| 1. | 1st Cycle | B | 2.27 | 2011 | till Jan' 07, 2016 |
| 2. | 2nd Cycle | - | - | - | - |
| 3. | 3rd Cycle | - | - | - | - |

1.7   Date of Establishment of  IQAC :

> 15-6-2011

1.8   AQAR for the year:

> 2014-15

1.9   Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC

> 1.   AQAR 2011-12 submitted to NAAC on 4-4-2012
> 2.   AQAR 2012-13 submitted to NAAC on 14-5-2013
> 3.   AQAR 2013-14 submitted to NAAC on 14-12-2018

1.10  Institutional Status:

| | | | |
|---|---|---|---|
| Affiliated College | Yes | √ | No | |
| Constituent College | Yes | | No | × |
| Autonomous college of UGC | Yes | | No | × |
| Regulatory Agency approved Institution (eg. AICTE, BCI, MCI, PCI, NCI) | Yes | | No | × |

Type of Institution:

| | | | | | |
|---|---|---|---|---|---|
| Co-education | √ | Men | | Women | |
| Urban | √ | Rural | | Tribal | |

Financial Status:

| Grant-in-aid | × | UGC 2(f) | √ | UGC 12B | | √ |
|---|---|---|---|---|---|---|
| Grant-in-aid + Self Financing | | | × | Totally Self-financing | | × |

1.11 Type of Faculty/Programme:

| Arts | √ | Science | √ | Commerce | √ | Law | × |
|---|---|---|---|---|---|---|---|
| PEI (Phys Edu) | × | TEI (Edu) | × | Engineering | × | Others | × |

1.12 Name of the Affiliating University: | Tripura University (A Central University) |

1.13 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc. - Nil.

| Autonomy by State/ Central Govt. / University | | | | No | |
|---|---|---|---|---|---|
| University with Potential for Excellence | | | No | | |
| UGC-CPE | No | DST Star Scheme | No | UGC-COP Programmes | No |
| UGC-CE | No | DST-FIST | No | UGC-Innovative PG Programmes | No |
| UGC-Special Assistance Prog. | No | Any other | No | | |

## 2. IQAC Composition and Activities

2.1 Number of Teachers: | 06

2.2 Number of Administrative/Technical staff: | 02

2.3 Number of students: | Nil

2.4 Number of Management representatives: | Nil

2.5 Number of Alumni: | 01

2.6 Number of any other stakeholder and community representatives: | Nil

2.7 Number of Employers/ Industrialists: | Nil

2.8 Number of other External Experts: | Nil

2.9 Total Number of members: | 09

2.10 Number of IQAC meetings held: |

2.11 Number of meetings with various stakeholders:

| No. | | Faculty | | Students | | Alumni | |
|-----|--|---------|--|----------|--|--------|--|
| Non-teaching staff | | Others | | | | | |

2.12 Has IQAC received any funding from UGC during the year?   Yes [ ]   No [√]

If yes, mention the amount | ×

2.13 Seminars and Conferences (only quality related)

(i) No. of Seminars/Conferences/ Workshops/Symposia organised by the IQAC

| Total Nos. | 01 | International | - | National | - | State | - |
|------------|----|--------------|---|----------|---|-------|---|
| | | Institution Level | 01 | | | | |

(ii) Themes

> 1. An Awareness Workshop on 'Cyber Security' for students and staff was held on 25th November, 2014.

2.14 Significant Activities and contributions made by IQAC

> ♦ Chalking out the plan of action towards quality enhancement and monitoring the achievement of outcome;
> ♦ Analyse quality parameters in terms of teaching-learning-evaluation;
> ♦ Arrangement for feedback responses from students on teaching-learning, quality-related institutional processes; Evaluating teaching-learning process through feedbacks;
> ♦ Organisation of seminars, workshops, training programmes on quality related themes;
> ♦ Motivation and time to time circulation of information to the faculty members to participate in the faculty development programmes;
> ♦ Collected data from different departments/units/cells and prepared the Annual Report for the period from July 2014 to June 2015;
> ♦ Prepared the Annual Quality Assurance Report (AQAR) of the College for the period from July 2014 to June 2015.

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 *

| Plan of Action (Academic Year 2014-15) | Outcome |
|---|---|
| (1) Teaching-Learning and Evaluation | ♦ Various practices such as class test, question bank for slow learners and advanced learners, assignment, extra/ tutorial classes to reform and improve the student's success rate. <br> ♦ Feedback taken from students (by Head of the Departments, Academic Committee and IQAC) improves the academic system of the College. <br> ♦ Feedbacks of student have been analysed. <br> ♦ Two teachers have participated in the Orientation Programme/ Refresher Course in the UGC-ASC, four teachers have participated in the Workshop, one teacher in the short-term training and 39 teaching and non-teaching staff have participated in |

| | an awareness workshop. |
|---|---|
| (2) Proposal and plan to **organise** seminars/ workshops/ training programmes/ symposium and **inviting** eminent Professors | (1) Awareness Workshop on '**Cyber Security**' for students and staff by the Department of Computer Science in collaboration with NIELIT, Agartala on 25 November, 2014 (Institutional). |
| (3) To boost research activities among the faculty and encourage them to submit major and minor research project proposals to various funding agencies. | ◆ One faculty of the Department of Physics received 1 (one) minor research project entitled '**Study of Conservation …….. of Rudrasagar'** funded by UGC (NERO), on 05-09-2014 for 2 years. 3 (Three) papers in the peer reviewed international journals have been published under this project. ◆ 1 (One) major research project funded by SERB-DST is ongoing. |
| (4) Feedback from Stakeholders | ◆ Feedback was taken from the students of Batch (2014-15) and analysed. |

*\* Attached the Academic Calendar of the year as Annexure 4.1*

2.16 Whether the AQAR was placed in statutory body:

| Yes | | No | √ | |
|---|---|---|---|---|
| Management | | Syndicate | | Any other body |

Provide the details of the action taken:

Govt. Degree College of Tripura has no statutory body. The AQAR has been discussed among the members of IQAC. Various members suggested necessary correction and addition.

## Part–B

## 3.1 Criterion – I : Curricular Aspects

1.1 Details about Academic Programmes:

Regular Mode:

UG (Credit Based Six-Semester Degree Programme) – B.A.(Honours/Major),
B.Com.(Honours/Major), B.Sc.(Honours/Major), B.A.(General), B.Com.(General),
B.Sc.(General)

UG (Annual System) – B.A.(Honours), B.Com.(Honours), B.Sc.(Honours), B.A., B.Com.,
B.Sc.

Distance Mode :

UG (Annual System) – B.A.

| Level of the Programme | Number of existing Programmes | Number of Departments added during the year | Number of self-financing programmes | Number of value added / Career Oriented programmes |
|---|---|---|---|---|
| Ph.D. | Nil | Nil | Nil | Nil |
| PG | Nil | Nil | Nil | Nil |
| UG | 13 | Nil | Nil | Nil |
| PG Diploma | Nil | Nil | Nil | Nil |
| Advanced Diploma | Nil | Nil | Nil | Nil |
| Diploma | Nil | Nil | Nil | Nil |
| Certificate | Nil | Nil | Nil | Nil |
| Others | Nil | Nil | Nil | Nil |
| **Total** | 13 | Nil | Nil | Nil |
| Interdisciplinary | Nil | Nil | Nil | Nil |
| Innovative | Nil | Nil | Nil | Nil |

1.2 (i) Flexibility of the Curriculum:

CBCS/ Core/ Elective option / Open options

(ii) Pattern of programmes:

| Pattern | Number of Programmes |
|---|---|
| Semester | 06 |
| Trimester | Nil |
| Annual | 07 |

1.3 Feedback from stakeholders*  Alumni ☒ Parents ☒ Employers ☒ Student √

*(On all aspects)*

Mode of feedback:     Online  ×  Manual  √  Co-operating schools (for PEI)  ×

*\*Provided an analysis of the feedback in the Annexure 4.2*

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

The College is affiliated to the Tripura University and follows the Syllabi designed by the University. Yes, syllabus upgradation is regularly done by the University at an interval of 5 years.

⬧ In the year, a major modification, from TDC/TDCH (1+1+1) Annual System to Credit Based Six-Semester Degree Programmes has been taken up. Revision/update in the structure of syllabi for all UG level (Regular) programmes/courses has been introduced as per Tripura University Rules and Regulations from the session 2014-15 with following components:
(i) Compulsory (Foundation) Courses
(ii) Honours Courses
(iii) Core (Elective) Courses
(iv) Soft Study Courses
⬧ Internal evaluation (20% marks) based on two sessional examinations and seminar/group discussions has been taken up.
⬧ The question papers shall be set only in English (other than language subjects) both for Honours and General courses.
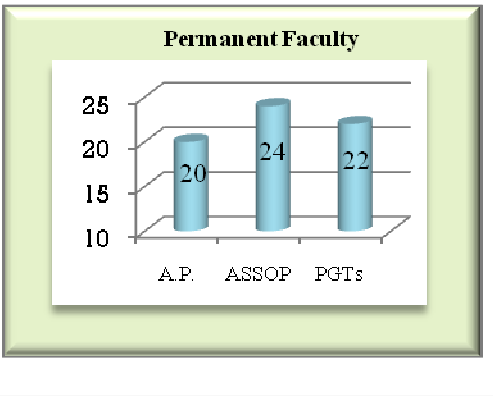⬧ A Project paper of 100 marks in the End Semester has been taken up.

1.5 Any new Department/Centre introduced during the year. If yes, give details.

No, new department/centre has not been introduced during this period.

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

2.1 Total number of permanent faculty:

| Designation | Number |
|---|---|
| Assistant Professors | 20 |
| Associate Professors | 24 |
| Professors | * |
| Others (PGTs^) | 22 |
| Total | 66 |



* Post has not been created by the Government of Tripura.
^ Post Graduate Teachers under Department of Higher Education, Government of Tripura.

2.2 No. of permanent faculty with Ph.D.:     21

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year (2014-15):

| Assistant Professors | | Associate Professors | | Professors | | Others | | Total | |
|---|---|---|---|---|---|---|---|---|---|
| R | V | R | V | R | V | R | V | R | V |
| | | | | | | | | | |
| Not applicable for Government Degree College of Tripura | | | | | | | | | |

2.4 Number of Guest and Visiting faculty and Temporary faculty:

| Designation | Number |
|---|---|
| Guest Faculty | 27 |
| Visiting Faculty | Nil |
| Temporary Faculty | Nil |

2.5 Faculty (Permanent) participation in conferences and symposia :

| Number of Faculty | International level | National level | State level |
|---|---|---|---|
| Attended | - | 02 | - |
| Presented papers | 01 | 03 | 01 |
| Resource Persons | - | - | - |

2.6 Innovative processes adopted by the institution in Teaching and Learning:

Each faculty in the Department designs the teaching-learning style of their respective courses. Innovative techniques commonly used for teaching-learning in the Department include the following:

⬧ Encourages student-centric learning through interactions with students and faculty members, group learning, tutorials, assignments.
⬧ Internal Assessment and ICT enabled learning have introduced for all students.
⬧ Study tour is conducted by the Bio-logical Science Departments to enhance learning process.
⬧ Encouraging and facilitating students in participating subject related competition, essay writing etc., exposure to write in wall magazine.

2.7  Total number of actual teaching days during this academic year:   180 days

2.8  Examination/ Evaluation Reforms initiated by the Institution:
(for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions)

As the College is affiliated to Tripura University, it follows the rules and regulations of the University for Annual Examination. In regular courses, following examination/evaluation reforms has been introduced in this period as per Tripura University guidelines:

⬧ From (1+1+1) Annual System to Credit Based Six-Semester Degree Programme for all UG level programmes has been introduced.
⬧ Internal Evaluation of 20% marks based on two sessional examinations and seminar/group discussions has been taken up as per Tripura University guidelines.
⬧ 40 marks of Multiple Choice type of Questions in General courses has been introduced. However, courses having Practical component are exempted from MCQ pattern.

2.9  Number of faculty members involved in curriculum restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop:

   20

2.10 Average percentage of attendance of students:

   75 %

2.11 Course/Programme-wise distribution of pass percentage:

| Title of the Programme | Total no. of Students Appeared | Division (in percentage) | | | | |
|---|---|---|---|---|---|---|
| | | Distinction | I | II | III (P) | Pass |
| B.A. (Major) | 167 | This is not a part of the University result system | 15.57 | 47.31 | 31.14 | 94.01 |
| B.A. (General) | 577 | | 3.81 | 25.82 | 47.49 | 77.12 |
| B.Sc. (Major) | 57 | | 47.37 | 31.58 | 8.77 | 87.72 |
| B.Sc. (General) | 16 | | 37.50 | 56.25 | 0.00 | 93.75 |
| B.Com. (Major) | 21 | | 4.76 | 19.05 | 52.38 | 76.19 |
| B.Com. (General) | 111 | | 1.80 | 31.53 | 41.44 | 74.77 |
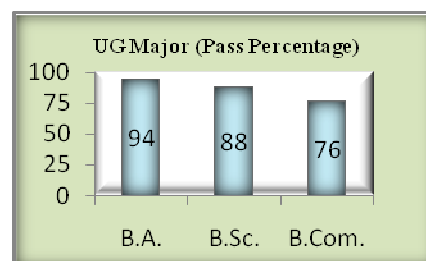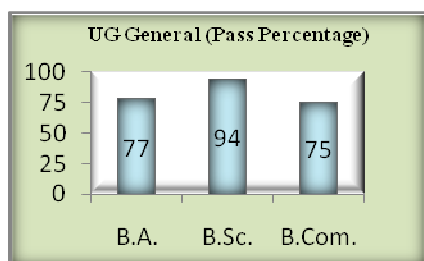




2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes:

IQAC functions as an overall advisory body of the College for the betterment of the teaching-learning process. IQAC meetings are held from time to time where the strategies for the improvement of teaching-learning process are discussed through:

- Meeting all Head of the Departments and other members of the Academic Committee at the beginning of the academic session and at regular interval to work out/ monitor the teaching learning process of each course.
- Providing necessary inputs to the routine framing committee for the preparation of time-table.
- Providing necessary aids to the examination committee for conducting monthly & annual tests and University examinations smoothly;
- Preparing an academic calendar;
- Better utilisation of infrastructural facilities for seminar hall, laboratories, equipments, libraries, sports, NSS, NCC, cultural activities etc.
- Planning for recruitment of Guest Faculty for faculty-scarce Departments.
- Organising seminars/ workshops/ debates to spread awareness on academic and social issues for nurturing critical thinking and scientific temper among the students.
- Planning for introduction of new major and general courses at UG level.

IQAC monitors/evaluates the departments by:

- Analysing feedbacks from the students and providing suggestions to resolve problems, if any.

2.13 Initiatives undertaken towards faculty development:

| Faculty / Staff Development Programmes | Number of Faculty Benefitted |
|---|---|
| Refresher courses | 01 |
| UGC – Faculty Improvement Programme | Nil |
| HRD programmes | Nil |
| Orientation programmes | 01 |
| Faculty exchange programme | Nil |
| Staff training conducted by the College | 38 |
| Staff training conducted by other institutions | 01 |
| Summer / Winter schools, **Workshop**s, etc. | 04 |
| Others | - |

2.14 Details of Administrative and Technical staff:

| Category | Number of Permanent Employees | Number of Vacant Positions | Number of Permanent Positions filled during the Year | Number of positions filled temporarily |
|---|---|---|---|---|
| Administrative Staff | 39 | NA | NA | NA |
| Technical Staff | NA | NA | NA | NA |
| NA – Not available | | | | |

## 3.3 CRITERION – III: RESEARCH, CONSULTANCY AND EXTENSION

3.1 Initiatives of IQAC in Sensitizing/Promoting Research Climate in the institution

- Encourages the faculty members to participate in workshops, organised by the institution/ other institutions, on imbibing research climate like research and data analysis using statistical software, research methodology and preparation of proposal for minor/ major research project. Circulation & display of brochures of such workshops/trainings organised by other colleges/ universities.
- Encourages and motivates continuously the faculty members to apply for research grant/ project.
- Motivates the faculty members for research publications, articles, reviews and books.
- Plays key role in organising invited lectures from eminent academicians/ scientists in different fields.
- Motivates the Departments to submit Seminar proposals to different funding agencies/ institutions.

3.2 Details* regarding major projects:

|  | Completed | Ongoing | Sanctioned | Submitted |
|---|---|---|---|---|
| Number | Nil | 01 | Nil | Nil |
| Outlay in Rs. Lakhs | - | 11.50 | - | - |

*Detailed list is attached at Annexure 4.3*

3.3 Details regarding minor projects:

|  | Completed | Ongoing | Sanctioned | Submitted |
|---|---|---|---|---|
| Number | Nil | 01 | 01 | Nil |
| Outlay in Rs. Lakhs | - | 1.185 | 02 | - |

*Detailed list is attached at Annexure 4.4*

3.4 Details on research publications:

|  | International | National | Others |
|---|---|---|---|
| Peer Review Journals | 11 | 04 | - |
| Non-Peer Review Journals | - | 01 | - |
| e-Journals | - | - | - |
| Conference proceedings | - | - | - |
| Total | 11 | 05 | - |

*Detailed list is attached at Annexure 4.5*

3.5 Details on Impact factor of publications:

| Range | | Average | | h-index | | Nos. in SCOPUS | |
|-------|--|---------|--|---------|--|----------------|--|

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

| Nature of the Project | Duration Year | Name of the funding Agency | Total grant sanctioned | Received |
|---|---|---|---|---|
| Major projects | Nil | Nil | Nil | Nil |
| Minor Projects | (2 years w.e.f. 05/09/2014) | UGC (NERO) | 2 lakhs | 1.50 lakhs |
| Interdisciplinary Projects | Nil | Nil | Nil | Nil |
| Industry sponsored | Nil | Nil | Nil | Nil |
| Projects sponsored by the University/ College | Nil | Nil | Nil | Nil |
| Students research projects | Nil | Nil | Nil | Nil |
| Any other(Specify) | Nil | Nil | Nil | Nil |
| Total | - | - | 2 lakhs | 1.50 lakhs |

3.7 Number of books published

| Details* | Number |
|---|---|
| Books With ISBN No. | 05 |
| Books Without ISBN No. | Nil |
| Chapters in Edited Books | 12 |
| Others | Nil |
| Total | 17 |

*Detailed list is attached at Annexure 4.6*

3.8 Number of **University** Departments receiving funds from:

| UGC-SAP | | CAS | | DIST-FIST | |
|---------|--|-----|--|-----------|--|

| DPE | | DBT Scheme/Funds | |
|-----|--|------------------|--|

Not Applicable

3.9 For Colleges

| Autonomy | Nil |
|---|---|
| CPE/CE | Nil |
| DBT Star Scheme | Nil |
| INSPIRE | Nil |
| Any Other (Specify) | UGC (NERO), SERB-DST |

3.10 Revenue generated through consultancy: | Nil |

3.11 Number of conferences/**seminars**/**workshops** organized by the Institution:

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

3.12 Number of faculty served as experts, chairpersons or resource persons:

| 03 |

3.13 Number of collaborations:

| Collaborations | Number |
|---|---|
| International | |
| National | |
| Any other | |

3.14 Number of linkages (research) created during this year: | 05 |

3.15 Total budget for research for current year (2014-15) in lakhs:

| From Funding agency | 9.825 lakhs |
|---|---|
| From Management of University/College | Nil |
| Total | 9.825 lakhs |

3.16 Number of patents received the year (2014-15):

| Type of Patent | | Number |
|---|---|---|
| National | Applied | Nil |
| | Granted | |
| International | Applied | Nil |

| Commercialised | Granted | Nil |
|---|---|---|
| | Applied | |
| | Granted | |

3.17 Number of research awards/ **recognitions** received by **faculty** and research fellows of the institute in the year (2014-15):

| Total | International | National | State | University | District | College |
|---|---|---|---|---|---|---|
| 01 | 01 | - | - | - | - | - |

3.18 No. of faculty from the Institution who are Ph. D. Guides:  Nil

and students registered under them:  Nil

3.19 No. of Ph.D. awarded by faculty from the Institution:  Nil

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones):

JRF  -   SRF  -   Project Fellows  -   Any other  -

3.21 Number of students Participated in NSS events:

| Level | No. of Students | Level | No. of Students |
|---|---|---|---|
| University | Nil | National | Nil |
| State | 20 | International | Nil |

3.22 Number of students participated in NCC events:

| Level | No. of Students | Level | No. of Students |
|---|---|---|---|
| University | Nil | National | 10 |
| State | 30 | International | Nil |

3.23 Number of Awards won in NSS:

| Level | No. of Students | Level | No. of Students |
|---|---|---|---|
| University | Nil | National | Nil |
| State | Nil | International | Nil |

3.24 Number of Awards won in NCC:

| Level | No. of Students | Level | No. of Students |
|---|---|---|---|
| University | Nil | National | Nil |
| State | Nil | International | Nil |

3.25 Extension activities organized:

| Forum/ Unit | | Number |
|---|---|---|
| NSS | | 02 |
| NCC | | 14 |
| College forum | Science Forum | 02 |
| | RRC (under NSS unit) | 01 |
| University forum | | - |
| Any other | | - |

3.26 Major Activities during the year (2014-15) in the sphere of extension activities and Institutional Social Responsibility:

The College has NSS unit, Red Ribbon Club (RRC) under NSS unit, NCC wing and Science Forum working under the guidance of Programme Officers for organising/ participating in extension activities and for learning about social responsibility. Students are motivated to join in NSS & NCC.

**Major Efforts taken by the NSS Unit:** **(2014-15)**

| List of Activities (Organiser) | Level | Date | No. of NSS Volunteers Participated | Awards/ Recognition |
|---|---|---|---|---|
| 1. Participated in the Quiz Competition Organised by the State NSS Unit at Rabindra Satabarshiki Bhawan, Agartala, Tripura | State | Dec' 1, 2014 | 10 | Participated |
| 2. Participated in Dowry Prohibition Day Organised by the State NSS Unit. | State | Nov' 27, 2014 | 10 | Participated |

**Major Activities by RRC under NSS Unit:** World AIDS Day is celebrated with various awareness programme to generate safety awareness.

| List of Events (Organiser) | Level | Date | No. of Volunteers Participated |
|---|---|---|---|
| 3. Observed **World AIDS Day** on 01.12.2014. The NSS volunteers prepared placards and participated in AIDS awareness campaign rally with the RRC, NACO, Tripura AIDS Control Society | State | Dec' 1, 2014 | 20 |

**Major Efforts taken by Science Forum:**

| List of Activities (Organizer) | Level | Date | Awards/ Recognition |
|---|---|---|---|
| **1. Participated in Inter-College & University Science Drama Competition** | State | (19-21) Jan', 2015 | • Ramthakur College achieved |

| | | | |
|---|---|---|---|
| Supported by: Tripura State Council for Science & Technology<br>Organised by: ICFAI University, Agartala, Tripura | | | the 2nd position.<br>♦ Ritunabha Banik got the Best Actor prize.<br>♦ Arpita Pal got the Best Actress prize. |
| **2. Participated in Science Fair 2014-15**<br>Organised by: Tripura State Council for Science & Technology at the premises of Children's Park, Agartala, Tripura | State | (12-15) Sep', 2014 | 2 models were displayed and presented. |

## Major Efforts taken by NCC Unit:

1. The NCC cadets rendered their services for successful completion of following **annual** programmes organised by our College, viz.

   ♦ 25 cadets in Freshers' Welcome at Rabindra Satabarshiki Bhawan, Agartala, Tripura

   ♦ 20 cadets in the Election to the Students' Union Council

   ♦ 20 cadets in Admission process of the 1st Semester Class

   ♦ 15 cadets in Annual Sports

2. The cadets participated actively with organising March-Fast programme in the celebration of Netaji's Birth Day, Republic Day & Independence Day in the College premises.

**Apart from this, the cadets voluntarily take active part in many extension activities and community services.**

3. 5 cadets provided their assistance in well-famous Diwali Mela of Tripureswari Temple at Udaipur, Tripura.

4. 6 cadets provided their assistance in well-famous Durga Puja for controlling the traffic points at Agartala, Tripura under the guidance of Traffic Department, Government of Tripura.

**The NCC cadets also participated in various state/national level camps which are listed below**:

| List of Activities (Organizer) | Level | Date | No. of Cadets Participated |
|---|---|---|---|
| 5. Attended Pre-Republic Day Camp at Umrai, Guwahati | National | Oct'28-Nov'6, 2014 | Participated 2 cadets |
| 6. Attended UP-Trek at Uttar Pradesh | National | Nov'(15-24), 2014 | Participated 9 cadets |
| 7. Attended RDC-II | National | Nov'30, 2014 | Participated 1cadet |
| 8. Attended North Easter Region Trek-I at Shillong | National | Dec'(10-17), 2014 | Participated 5 cadets |

| | | | |
|---|---|---|---|
| 9. Attended Combined Annual Training Camp (CATC) at Shalbagan, Tripura | State | Jan'(4-13), 2015 | Participated 12 cadets |

## 3.4 CRITERION – IV : INFRASTRUCTURE AND LEARNING RESOURCES

4.1 Details of increase in infrastructure facilities:

| Facilities | Existing | Newly created | Source of Fund | Total |
|---|---|---|---|---|
| Campus area (Acres) | 6.34 | - | DHE, Govt. of Tripura | 6.34 |
| Class rooms (No.) | 28 | - | | 28 |
| Laboratories (No.) | 18^ 01* | - | DHE & UGC (^) SERB-DST (*) | 19 |
| Seminar Halls (No.) | 01 | - | UGC (NERO) | 01 |
| No. of important equipments purchased (≥ 1-0 lakh) during the current year. | | | | |
| Value of the equipment purchased during the year (Rs. in Lakhs) | | 14.2651 lakhs | UGC (NERO) SERB-DST | |
| Others | | 16.0218 lakhs | UGC (NERO) SERB-DST | |

4.2 Computerisation of administration and library

- All sections of the college administration are computerised. Official interactions are partly made by the college administration through online with the Department of Higher Education and other departments/ organizations/ institutions.
- Library automation is under plan of process.

4.3 Library services:

| Details | Existing | | Newly added | | Total | |
|---|---|---|---|---|---|---|
| | No. | Value | No. | Value | No. | Value |
| Text Books | 28770 | | 2434 | 9.2393 | 31204 | |
| Reference Books | 11883 | | 1000 | lakhs | 12883 | |
| e-Books | - | - | - | - | - | - |
| Journals | - | - | - | - | - | - |
| e-Journals | - | - | - | - | - | - |
| Digital Database | - | - | - | - | - | - |
| CD & Video | - | - | - | - | - | - |
| Others (specify) | - | - | - | - | - | - |

4.4 Technology up gradation (overall):

| Details | Total Computers | Computer Labs | Internet | Browsing Centres | Computer Centres | Office | Depart-ments | Others |
|---|---|---|---|---|---|---|---|---|
| Existing | 39 | 2 | 4 | 2 | - | 5 | 9 | - |
| Added | - | - | - | - | - | - | - | - |
| Total | 39 | 2 | 4 | 2 | - | 5 | 9 | - |

\* The College has a plan to connect all Departments, Computer Labs, Library, all Sections of the College Administration, Examination Cell with BSNL internet connection in the near future.

4.5 Computer, Internet access, training to teachers and students and any other programme for technology upgradation (Networking, e-Governance etc.)

- An Awareness Workshop on 'Cyber Security' for students and staff was organised by Deptt. of Computer Science in Collaboration with NIELIT (Agartala) & IQAC on 25/11/2015.
- The College has a computer set up in 9 (nine) Departments, Computer Labs and Library. Students have access to these services.
- ICT enabled learning has been introduced in the 2008 revised syllabus in 4 (four) subjects like Physics, Chemistry, Mathematics and Commerce.
- The College offers Honours in Computer Science.

4.6 Amount spent on maintenance in lakhs :

i) ICT: 

0.2062 lakh

ii) Campus Infrastructure and facilities: 

0.1117 lakh

iii) Equipments: 

0.08 lakh

iv) Others: 

-

**Total :** 

0.3978 lakh
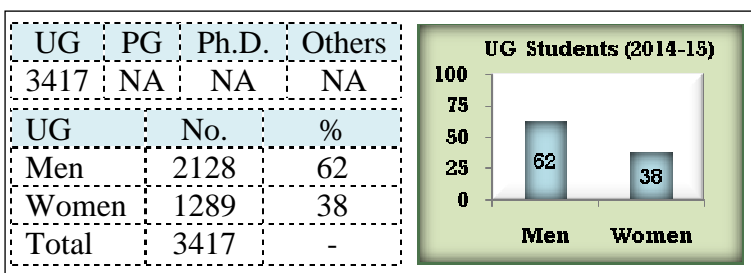
## 3.5 CRITERION – V: STUDENT SUPPORT AND PROGRESSION

5.1 Contribution of IQAC in enhancing awareness about Student Support Services:

- Providing information regarding various scholarships available for students from SC/ST, OBC and Economically Weaker Sections, directing and encouraging them to avail it.
- The Students' Union Council has various committees which take active part in various student support committees like Games & Sports Committee; Cultural Committee; Magazine Committee; Drama; Debate & Literary Activities Committee with elected representatives as Secretary and Assistant Secretary of those committees. Faculty members are assigned the charge of each of those committees. IQAC encourages both faculty members and students involved with these committees by disseminating information about student support services.
- Special Cells for student support are created at the time of admission and examination to provide assistance not only to the students but also to the aspiring candidates seeking admission to the college, their guardians and other stakeholders.
- IQAC ensures Anti-Ragging Cell and Sexual Harassment, Redrassal & Grievance Cell.

5.2 Efforts made by the institution for tracking the progression:

Students are encouraged to participate actively in classes.
Continuous assessment of progress through regular class tests, assignments, sessional tests. Evaluated scripts are shown to students for discussion and clarification.
Extra/tutorial classes are taken to improve the understanding of students and clear doubts.

5.3 (a) Total Number of students:

| UG | PG | Ph.D. | Others |
|------|------|------|--------|
| 3417 | NA | NA | NA |

| UG | No. | % |
|-------|------|---|
| Men | 2128 | 62 |
| Women | 1289 | 38 |
| Total | 3417 | - |



UG Students (2014-15)
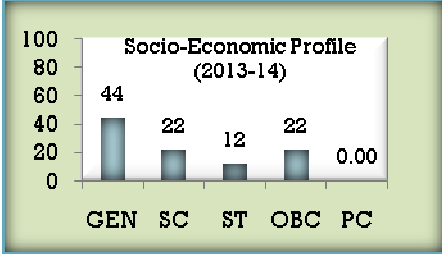
(b) Number of students from outside the state:  Nil

(c) Number of international students:  Nil
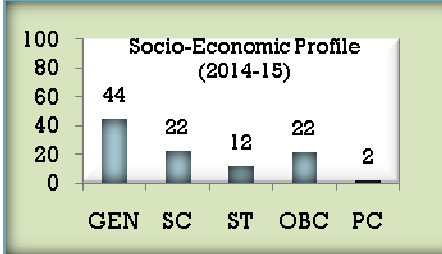
| Number of Students: Last Year (2013-14) | | | | | | Number of Students: This Year (2014-15) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| General | SC | ST | OBC | Physically Challenged | Total | General | SC | ST | OBC | Physically Challenged | Total |
| 1641 | 816 | 434 | 802 | 00 | 3693 | 1617 | 780 | 298 | 719 | 03 | 3417 |

| | |
|---|---|
| **Socio-Economic Profile (2013-14)** | **Socio-Economic Profile (2014-15)** |
| GEN 44, SC 22, ST 12, OBC 22, PC 0.00 | GEN 44, SC 22, ST 12, OBC 22, PC 2 |

Demand ratio (No. of Students Admitted : No. of Applications)    Major = General =    Dropout (in percentage)

5.4 Details of student support mechanism for coaching for competitive examinations (if any):

At present, the college does not have any support mechanism for coaching for competitive examinations.

Number of students beneficiaries:    -

5.5 Number of students qualified in these examinations:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| NET | NA | SET/SLET | NA | GATE | NA | CAT | NA |
| IAS/IPS etc. | NA | State PSC | NA | UPSC | NA | Others | NA |

5.6 Details of student counselling and career guidance:

An admission counselling desk for students support are created at the time of admission to provide assistance not only to the students but also to the aspiring candidates seeking admission to the college, their guardians and other stakeholders.

Number of students benefitted:    Many

5.7 Details of campus placement:

| On Campus | | | Off Campus |
|---|---|---|---|
| Number of Organizations Visited | Number of Students Participated | Number of Students Placed | Number of Students Placed |
| Nil | Nil | Nil | Nil |

5.8 Details of gender sensitization programmes:

> **1. Gender Sensitization Programmes/ Discussions in the Community**:
> (i) NSS Unit of the College participated in an awareness campaign on the eve of the Dowry Prohibition Day on 27 November, 2014 with the State NSS Cell. 10 volunteers along with the NSS Programme Officer participated in the campaign.
> **2. Gender Sensitization Discussions** by the faculty members of Ramthakur College:
> (ii) A paper on gender issue entitled 'Empowerment of Tribal Women through Physical Education and Sports with special Reference to Tripura' presented by Dr. Dipankar Majumdar, Assistant Professor in the National Seminar on 'Empowerment of Tribal Women' during (13-14) Feb', 2015 at Women's College, Tripura.
> (iii) A paper on gender issue entitled 'Gender Deprivation among Slums and within Slums of NER' presented by Smt. Manisha Karmakar, Post Graduate Teacher in the 16th Annual Conference of NEEA during (8-9) January, 2015 at Tripura University, Tripura.

5.9 **Students Activities**:

5.9.1 Number of students participated in:

| Events | Level | Number of Students Participated |
|---|---|---|
| Sports, Games and other events | State/ University | 16 |
|  | National | 04 |
|  | International | Nil |
| Cultural events | State/ University | 02 |
|  | National | Nil |
|  | International | Nil |

5.9.2 Number of Medals /awards won by students in Sports, Games and other events:

| Events | Level | Number of Students Won |
|---|---|---|
| Sports | State/ University | 16 |
|  | National | Nil |
|  | International | Nil |
| Cultural | State/ University | 01 |
|  | National | - |
|  | International | - |

5.10 Scholarships and Financial Support:

| | | Number of Students | Amount (in Rs.) |
|---|---|---|---|
| Financial | Institution | - | - |

| support from (Scholarships) | Govt. | State | 890 | 7,73,060 |
|---|---|---|---|---|
| | | Central | | Financial support under SC, ST and OBC category stipend is directly credited SC/ST & OBC welfare Department, Govt. of Tripura to the students' individual Bank account under DBT scheme. |
| | | Total | | - |
| | Other sources | | - | - |
| Number of students who received International/National recognitions | | | - | - |

5.11 Student organised / initiatives:

| Events | Level | Number | Initiatives |
|---|---|---|---|
| Fairs | **State**/ University | 01 | Participated in State level Science Fair 2014-15 on (12-15)th Sep', 2014 at the premises of Children's Park, Agartala, Tripura Organised by Tripura State Council for Science & Technology. Two models (one each from Deptt. of Chemistry & Deptt. of Physics) were presented. |
| | National/ International | Nil | Nil |
| Exhibition | State/ University | Nil | Nil |
| | National/ International | Nil | Nil |

5.12 Number of social initiatives undertaken by the students: | 17 |

5.13 Major grievances of students (if any) redressed:

A Grievance Redressal Committee has been set up to promote cordial relations between the students and the College administration. No such complaints are reported.

## 3.6 CRITERION – VI: GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 State the Vision and Mission of the institution

> The vision and mission statement of the institution is imparting knowledge to develop scientific and analytical attitude, instilling social, human and moral values in the learner for enabling them to face the future. We also try to foster global competencies among students and help the students to quest for their excellence.

6.2 Does the Institution have a management Information System

No

6.3 Quality improvement strategies adopted by the institution for each of the following:

**6.3.1 Curriculum Development**

The College follows the curriculum guidelines of Tripura University. Details are given below:

- In the year, a major modification, from TDC/TDCH (1+1+1) Annual System to Credit Based Six-Semester Degree Programme has been taken up. Revision/update in the structure of syllabi for all UG level (Regular) programmes/courses has been introduced as per Tripura University Rules and Regulations. The exercise involved a major restructuring of the courses including compulsory and optional courses. The revision was initiated after the discussions and meetings with Department of Higher Education, Faculty Member representatives, Principals, Students Units.

**6.3.2 Teaching and Learning**

Each faculty in the Department designs the teaching-learning style of their respective courses. Strategies commonly used for teaching-learning in the Department include the following:

- Effective implementation of teaching-learning plan for classwise syllabus distribution; student-centric learning through interactions with students and faculty members, group learning, tutorials, assignments encouraged to improve the teaching-learning process.
- Internal Assessment and ICT enabled learning have introduced for all students.
- Study tour is conducted by the Bio-logical Science Departments to enhance learning process. Power Point presentations in some Departments are also carried out.
- Encouraging and facilitating students in participating subject related competition, essay writing etc., exposure to write in wall magazine.
- Project-based learning is carried out by all science departments.
- Faculty members are deputed to ASCs of different Universities to enrich their

knowledge through participation in Orientation Programme/ Refresher Course/ short-term training/ workshop.

### 6.3.3 Examination and Evaluation

Following examination and evaluation reforms have been introduced in the year as per Tripura University guidelines:

- From (1+1+1) Annual Examination System to Choice Based Credit System (CBCS) with 6 Semesters for all UG level programmes has been introduced in this period.
- Internal Assessment has been introduced in this period as per Tripura University guidelines. 20% of the total marks is allotted for Internal Assessments.
- In Regular Courses, MCQ pattern with use of OMR sheet in TDP (General) has been introduced. However, courses with practical component are exempted from MCQ pattern.

### 6.3.4 Research and Development

- Provided infrastructural support such as library and laboratory, space for carrying out research work etc. Computer facility is provided in different segments of the College.
- Institutional support from the College authority is provided for smooth progress of research projects: autonomy to Principal Investigator for running the research projects, release of funds to the Principal Investigator as per instructions of funding agency. Computer facility is provided in different segments of the College.
- Teachers are encouraged to apply for research grant.
- On duty leave granted to the faculty members for attending professional Seminars, Conferences, and Workshops etc.
- Teachers are encouraged to take part in workshops/ seminars/ conferences and also motivated for research publications. During the year, 15 research papers were published in the peer-reviewed national/ international journals by the faculty. 17 books and articles in edited books were also published by the faculty.

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

- The College has a separate building for library. Issuing library cards within 7 days of new admission. Procurement is done as per requirement and availability of funds. The College has a plan for digitisation of the library books.

### 6.3.6 Human Resource Management

- For the management of the students' affair, the College has a Students' Union which is elected annually as per the Department of Higher Education of State Government directives.
- For overall management, the College has a Core Committee as well as IQAC monitors the aspects in the academic and administrative arena. The College has a Teachers' Council with different academic as well as administrative sub-committees coordinates curricular, co-curricular and extension activities. Find people with strong co-curricular/ extra-curricular skills and encourage them to organise sports/ social cultural

events etc. Identify people with leadership skills and groom them with administrative responsibilities.

- UGC pay scale, annual increment and promotion to teachers, advance increment for M.Phil./ Ph.D. are followed as per UGC norms following the State Government directives.
- Self Appraisal Reporting system and evaluation of faculty members before promotion from one academic grade pay/ post to higher academic grade pay/ post are followed as per the Department of Higher Education of Government of Tripura directives.
- IQAC encouraged faculties to participate in the orientation and refresher courses. They were also encouraged to participate in different international/national seminars/workshops. They were also encouraged to get training on internet and computers according to their requirement. Teachers were also encouraged to participate in different short term training programmes to improve their skill/knowledge.

## 6.3.7 Faculty and Staff recruitment

- Faculties as Assistant Professor are recruited through Tripura Public Service Commission following the UGC norms and the norms of the State Government. Faculties as Post Graduate Teacher are recruited by Department of Higher Education, Government of Tripura.
- Guest faculties are recruited by the College itself for an academic session as per norms forwarded by the Department of Higher Education.
- Administrative staff are recruited by the Department of Higher Education.

## 6.3.8 Industry Interaction / Collaboration

## 6.3.9 Admission of Students

- The admission notification is issued centrally as advertisement in leading newspapers by the Department of Higher Education of the State Government. The annual Prospectus contains detailed information about the courses, intake of students, eligibility criteria, and process of admission. Admission to undergraduate programmes in the Faculties of Arts, Commerce and Science are made on the basis of H.S.(+2) or equivalent academic performance as per the norms set by Tripura University. Reservation policy of Government of Tripura is complied with, during the admission process.
- The selection of students to the institute is done through the Admission Committee through proper procedure of releasing merit lists (first, second and waiting list). Admission merit lists are uploaded in the College Website and published in the College Notice Board for transparency and for the convenience of students seeking

admission to the College.

6.4 Welfare schemes for

| Teaching Staff | General Provident Fund;   Group Insurances Scheme;   Gratuity & pension   Quarter facility  Benefits for special leave, maternity leave and paternity leave  Medical reimbursement as per State Government norms |
|---|---|
| Non-teaching Staff | General Provident Fund;   Group Insurances Scheme;   Gratuity & pension  Benefits for special leave, maternity leave and paternity leave  Medical reimbursement as per State Government norms |
| Students | Post-Matric / Merit-cum-Means Scholarships for SC, ST, OBC, LIG, Girls and eligible students under State and Central Government schemes |

6.5 Total corpus fund generated:    Nil

6.6 Whether annual financial audit has been done:    Yes ☐    No √

6.7 Whether Academic and Administrative Audit (AAA) has been done?

| Audit Type | External | | Internal | |
|---|---|---|---|---|
| | Yes/No | Agency | Yes/No | Authority |
| Academic | No | No | No | No |
| Administrative | No | No | No | No |

6.8 Does the University/ Autonomous College declares results within 30 days?

For UG Programmes:    Yes ☐    No √

For PG Programmes:    Yes ☐    No ☐

The College does not offer PG programmes. programmes.

6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?

Efforts made by the University for Examination Reforms are:
The Affiliating University has conducted meetings during June 2014, comprising Principal and 2 senior faculty members of all its affiliated government degree colleges of the state & discussed the necessity for the improvement of examination system. The Controller of Examination met in power-point interaction with students and teaching & non-teaching staff at some affiliated Colleges.

6.10 What efforts are made by the **University** to promote autonomy in the affiliated/constituent colleges?

> The University act does not provide for conferment of autonomy to its affiliated colleges.

6.11 Activities and support from the Alumni Association:

> The College has an Alumni Association. It meets at least twice in a year. The activities and contributions of Alumni Association are:
> + Guidance to the present Students' Council in regular academic activities.
> + Participation in group activities, like Freshers' Welcome, Foundation Day celebration, Oath Taking function of Students' Council formation.
> + They have a plan for organising annual Mega Health camp.

6.12 Activities and support from the Parent – Teacher Association

> The College does not have an active and declared Parent-Teacher association. Parents of the students' response for various calls given by Heads of the Department / Head of the College, like
> + The parents of the students with irregular attendance are informed departmentally. They are informed about the various activities like large gathering in a cultural activities, etc.
> + Welfare schemes for the students are implemented with the guidance of parents like Scholarships.

6.13 Development programmes for support staff

> + The support staff gets on duty permission to attend any training programme organised by other institute for augmenting their performance.
> + Training/ participation of staff in various training/ seminar.
> + Computer training for staff.
> + Induction training for new appointees.
> + An awareness workshop on 'Cyber Security' on 25 November, 2014.

6.14 Initiatives taken by the institution to make the campus eco-friendly

> + Green Campus: Plantation of sapling of different species and seasonal flower is a regular activity. The College maintains 13 specified areas for gardening as a part of developing an eco-friendly environment.
> + Energy Conservation: Energy efficient building designs to maximize natural lighting and ventilation; Switching off lights and fans is a good practice of our students, teachers and non-teaching staff when rooms are unoccupied; Use of LCD monitors throughout the campus.

- Hazardous Waste Management: All hazardous wastes are collected by Agartala Municipal Corporation for recycling. Garbage-free college campus is a regular activity of the NSS unit.
- Water Harvesting: There are two small open water harvest bodies in the College. One is used for flora plantation for conducting practical classes by the Department of Botany. Another one is used for plantation purpose.

## 3.7 CRITERION – VII : INNOVATIONS AND BEST PRACTICES

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

- Students' feedback – It has improved the student-teacher relationship and helped the teachers to improve their teaching-learning methods. It has also created a transparent communication between the students and the teachers. At the same time, it has helped the College Administration to provide quality service in various areas like library, drinking water, cleanliness in the classrooms and toilets, canteen etc.
- Semester system in teaching-learning.
- Digitisation of library books.
- Felicitation of faculty members for their various achievements (like Ph.D, other research works) and students for their achievements in various arenas (like results, NSS).
- Online financial disbursement system in building a transparent e-governance system has a positive impact.

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

- Students' feedback was taken
- Eminent academicians are invited in Seminars/ Symposiums.
- Arrangement for institutional support for conducting Seminar/ Symposium/ Workshop
- Conducted ICT enabled trainging for faculty members.
- One major research project is ongoing. One project fellow is working. Established one Research Laboratory. One minor research project is ongoing.
- Research papers published.
- Discussion conducted with the students and with the faculty members about the semester system which will be implemented from the academic session 2014-15.

7.3 Give two Best Practices of the institution

**Best Practice-**1: Learning Community Service through Voluntary Blood Donation
**Best Practice-2**: Promotion of Environmental Consciousness
***** *Details are provided at Annexure 4.7*

7.4 Contribution to environmental awareness / protection

> - Regular plantation of trees
> - Environmental awareness and sensitisation campaign both the student and the community around the college regarding sustainable environment through organising discussion, drama, rally etc.
> - Proper disposal of hazardous waste materials from the College.

7.5 Whether environmental audit was conducted?     Yes [ ]     No [√]

7.6 Other relevant information of the institution:

**Strengths**

- Strength of the College lies in respect of enrolment of students, large green campus with floral species in different areas enclosed within the campus, a good number of qualified and dedicated teachers, hard-working and committed non-teaching staff, cooperating Students' Council.
- Good leadership of the Principal as Head of the Institution
- Imparting education at an affordable cost supported by different scholarship schemes provided by the Government.
- Provision of appreciable service of drinking water and sanitation to students, faculty members and non-teaching staff at different parts of the College
- A ragging free campus
- Taking part in different social activities through NSS, NCC and Students' Union Council

**Weaknesses**

- Being an affiliated college, there is no autonomy in academic reforms. Being a government-funded college, there is no autonomy in administrative and financial reforms as and when needed by the College. These in turn hamper the necessary growth of the College in terms of teaching-learning and infrastructure development.
- No add-on courses
- No placement cell
- No land area earmarked for students' hostel

**Opportunities**

- Creating a *Green* eco-friendly campus
- Involving students in co-curricular & extension activities: Cultural Activities, Games & Sports, National Service Scheme (N.S.S.) or National Cadet Corps (N.C.C.), Red Ribbon Club, Science Forum
- Participation in the inter-college/ state level/ district level discussion, sports competition, drama competition, cultural activity competition

- Financial support to students in terms of scholarships

**Challenges**

- To attract students to traditional courses
- To attract economically, socially and educationally backward rural students
- To provide modern facilities in laboratories to the students.

8. Plans of the institution for the next year:

Ramthakur College is planning
(1) To provide internet connection to all Departments, library and college administration.
(2) Digitisation of infrastructure.
(3) To conduct more institutional, state and national level seminars/ workshops/ training programmes/ symposiums.
(4) To boost research activities among the faculty and encourage then to submit major and minor research project proposals to various funding agencies.
(5) To provide spacious departmental room to the Departments of Commerce and Hindi, Pali, Philosophy, Political Science and Sanskrit.
(6) To conduct environmental audit.
(7) To conduct students feedback.
(8) To upgrade College Website.


*Name* _____ Sri  Debajit  Chakraborty ____
(during 2014-15)


_____sd/-_____

*Signature of the Coordinator, IQAC*


*Name* _____ Dr. Debabrata Goswami
(during 2014-15)


_____sd/-_____

*Signature of the Chairperson, IQAC*


*Name* _____ Dr. Ruma Saha _____
(during submission)


_____sd/-_____

*Signature of the Coordinator, IQAC*


*Name* _____ Dr. Md. Mojahid Rahaman
(during submission)


_____sd/-_____

*Signature of the Chairperson, IQAC*

## Academic Calendar 2014-15 (Tentative)

| Date | Programme |
|---|---|
| **July, 2014** | Admission process to Semester I class continues upto July 4, 2014 |
| | II, III year classes |
| | T.C. Meeting-1 (1st week) |
| | Semester I classes begin from July 11, 2014 |
| | Library card issue to Semester I class on (14-24) July, 2014 |
| **August** | Semester I classes, II & III year classes |
| | T.C. Meeting-2 (1st week) |
| | IQAC Meeting-1 with teachers (2nd week) |
| **September** | Semester I classes, II & III year classes |
| | T.C. Meeting-3 (1st week) |
| | Internal Assessment: Sessional-1 for Semester I class (1st week) |
| | Class Test-1 for II & III year classes (under 1+1+1 system) |
| | Departmental/Institutional quiz/assignments/tutorial classes |
| | Puja Vacations begin from September 30, 2014 |
| **October** | Puja Vacations upto October 21, 2014 |
| | Semester I classes, II & III year classes |
| | IQAC Meeting-2 with teachers (4th week) |
| **November** | Semester I classes, II & III year classes |
| | Internal Assessment: Sessional-2 and Group Discussion/Seminar for Semester I class |
| | T.C. Meeting-4 (1st week) |
| | National/State/Departmental/Institutional seminars/workshops/conferences |
| **December** | Class Test-2 for II & III year classes |
| | T.C. Meeting-5 (1st week) |
| | Tripura University Semester I examinations (2nd week) |
| **January, 2015** | Admission to Semester II class (1st week) |
| | Semester II classes, II & III year classes |
| | IQAC Meeting-3 with teachers (3rd week) |
| | Study Tour – Biological Science Departments |
| **February** | Semester II classes, II & III year classes |
| | T.C. Meeting-6 (1st week) |
| | Final test for II & III year classes (2nd week) |
| | Internal Assessment: Sessional-1 for Semester II class (4th week) |
| | Tripura University practical examinations for science departments |
| | National/State/Departmental/Institutional seminars/workshops/conferences |

| March | T.C. Meeting-7 (1st week) |
|-------|---------------------------|
|       | Internal Assessment: Sessional-2 and Group Discussion/Seminar for Semester II class (4th week) |
|       | Departmental/Institutional quiz/assignments/tutorial classes |
|       | National/State/Departmental/Institutional seminars/workshops/conferences |
| April | T.C. Meeting-8 (1st week) |
|       | Tripura University Part-I & II examinations begin (1st week) |
| May   | Tripura University Part-I & II examinations (continue upto 2nd week) |
|       | Summer vacations begin from May 11 (approx.), 2015 |
| June  | Tripura University Semester II examinations (1st week) |
|       | Summer vacation upto June 9 (approx.), 2015 |
|       | Admission to Semester III classes begin |
|       | Admission to II, III year classes begin |
|       | IQAC Meeting-4 with teachers (2nd week) |
|       | Annual Prospectus publication |
|       | Semester I admission process starts |

## Students' Feedback Analysis

The College uses the manual feedback system for collecting students' responses under four headings: Teaching-Learning, Evaluation, Library and Administration. The responses of the batch 2014-15 are considered here. Filled in feedback forms are taken for analysis. Students simultaneously put their responses on the teaching-learning process, evaluation process, library services and administration friendly & hygienic services practiced/provided by the College.

The students are asked to put their responses against the options, 'Yes/Almost/Little/No' on ten simple questions regarding Teaching-Learning process based on which Teaching-Learning Composite Index (TLCI) is constructed. The students put their responses about evaluation process on three questions against the same options based on which Evaluation Composite Index (ECI) is constructed. They are asked to put their responses against the options, 'Regular/Occasionally/Never' on three simple questions regarding library services based on which Library Composite Index (LCI) is constructed and against the options, 'Yes/No' on five simple questions about administration, based on which Administration Composite Index (ACI) is constructed.

The students' responses are analysed by the IQAC Committee and it is monitored under the chairmanship of the Principal and feedback is discussed in the meeting of IQAC and Head of the Departments. The analysis is illustrated in the following table.

| Indicators | Value |
|---|---|
| 1. Teaching-Learning Composite Index (TLCI) | 87.92 |
| 2. Evaluation Composite Index (ECI) | 91.23 |
| 3. Library Composite Index (LCI) | 81.54 |
| 4. Administration Composite Index (ACI) | 93.21 |



Students' Feedback Analyses: 2014-15
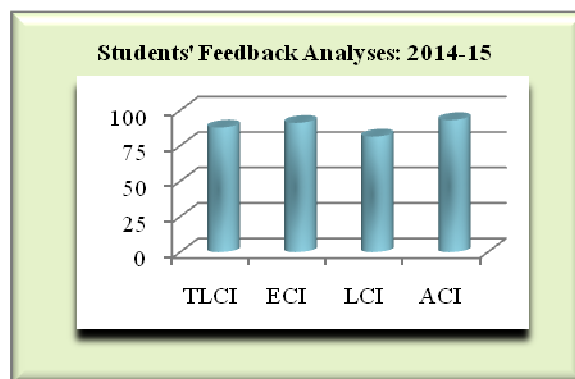
**Impact of this Practice**:

It improves the student-teacher relationship; helps the teachers to improve their teaching-learning methods; creates a healthy communication between the students and the teachers; develops the skill of evaluation; helps the college administration to provide quality service in diverse areas like library, drinking water, cleanliness in the classrooms and toilets, canteen etc.

## Detailed List of Major Research Projects

**Annexure 4.3**

| Number | Principal Investigator | Title of the Project [Tenure of the Project] | Funding Agency | Grant Received (in Rs. Lakhs) |
|---|---|---|---|---|
| Completed = Nil | - | - | - | - |
| Ongoing = 01 | Dr. Arijit Das, Department of Chemistry | Synthesis, Characterization, Luminescent Properties and Biological Activity Studies of mixed ligand complexes of some Transition Metal ions with Nitrogen and Sulphur Donors [for 2 years from the date 17/12/2013] | SERB-DST, Govt. of India, New Delhi | Rs.11.50 lakhs |
| Sanctioned = Nil | - | - | - | - |
| Submitted = Nil | - | - | - | - |

**Detailed List of Minor Research Projects**          **Annexure 4.4**

| Number | Principal Investigator | Title of the Project/ Tenure of the Project | Funding Agency | Outlay in Rs. Lakhs (Received) |
|---|---|---|---|---|
| Completed = Nil | - | - | - | - |
| Ongoing = 01 | Dr. Dipankar Majumdar, Department of Physical Education | A Study on Physical Fitness Anthropometric Body composition and Psychological Profile of 1st Division Tribal Soccer Players of North-Eastern State Tripura [for 2 years from the date 07/05/2013] | UGC (NERO) | 1,18,500/- |
| Sanctioned = 01 | Sri Mihir Pal, Department of Physics | Study of Conservation and Management of the Lake Rudrasagar for two years from the date 05-09-2014 | UGC (NERO) | Rs.1,50,000/- |
| Submitted = Nil | - | - | - | - |

## Detailed List of Publications in Journals

**Annexure 4.5**

**4.5.1 List of Publications in Peer-reviewed International Journals**

**Department of Chemistry**

(1) Das, Arijit (corresponding author), 2015. 'Cd(II) complexation With 1,1-dithiolate and Nitrogen donors: Synthesis, Luminescence, Crystal Structure And Antifungal Activity Study', *Journal of Co-ordination Chemistry*, Vol. 68, No. 8, pp.1423–1432, http://dx.doi.org/10.1080/00958972.2015.1013946 [Taylor & Francis Pub. (London)].

(2) Das, Arijit (corresponding author), 2014. 'Synthesis, Crystal Structure And Antifungal Activity Studies of a Newly Synthesized Polymeric Mixed Ligand Complex of Zn (II) With 1,1-dithiolate and Nitrogen donors', *Journal of Co-ordination Chemistry*, Vol.67, No.22, pp.3613–3620, http://dx.doi.org/10.1080/00958972.2014.972388, IF: 2.223 [Taylor & Francis Pub. (London)].

(3) Das, Arijit (co-author), 2014. 'Association Behavior of Mono, Di and Tri-hydric Alcohols with Three Carbon Skeleton in a Straight Chain', *World Journal of Chemical Education*, Vol. 2, No. 3, pp.39-41, DOI: 10.12691/wjce-2-3-2 [Science and Education Publishing: USA].

(4) Das, Arijit (corresponding author) 2014. 'Innovative And Time Economic Pedagogical Views In Chemical Education – A Review Article', *World Journal of Chemical Education*, Vol. 2, No. 3, pp.29-38, DOI: 10.12691/wjce-2-3-1 [Science and Education Publishing: USA].

**Department of Commerce**

(5) Das, Sanjoy, (co-author, first author) 2014. 'Opportunity of Higher Education in Tripura: A Study With Reference to Disparities among General Degree Colleges', *International Journal of Informative & Fututistic Research*, Vol.II, September 2014, pp.57-65, ISSN: 2347-1697.

(6) Das, Sanjoy, (co-author, first author) 2014. 'Development of Higher Education in North East India: An Analytical Study', *International Journal of Informative & Fututistic Research*, Vol.I, August 2014, pp.86-94, ISSN: 2347-1697.

**Department of English**

(7) Chaudhury, Ivy 2015. 'Engendering New Woman Identity: A Study of Nayantara Sahgal's *Rich Like Us*', *Langlit* (Open Access Journal), Vol.1, Issue 3, February, ISSN: 2349-5189.

**Department of Physics**

(8) Pal, Mihir (co-author, first author) 2015. 'Electrical Conductivity of Lake Water as Environmental Monitoring – A Case Study of Rudrasagar Lake', IOSR Journal of Environmental Science, Toxicology and Food Technology, Vol.9, Issue 3, Ver.I, pp.66-71.

(9) Pal, Mihir (co-author, first author) .2015. 'Sinusoidal Model Development  for the Study of Diurnal Variation of Surface Air Temperature and Surface Dissolved Oxygen for the Lake

Rudrasagar in Pre-Monsoon Period', International Journal of Engineering Science Invention, Vol.4, Issue 1, pp.10-18, ISSN (Online):2319-6734 & ISSN (Print): 2319-6726.

(10) Pal, Mihir (co-author, first author) 2014. 'Resilience and Sustainability of an Aquatic Ecosystem in North-East of India', *GALAXY International Interdisciplinary Research Journal*, 2(9), pp.1-12, ISSN: 2347-6915.

(11) Pal, Mihir (co-author, first author) 2014. 'Temperature and Dissolved Oxygen Stratification in the Lake Rudrasagar', *Preliminary Investigations, Sustainability, Agri, Food and Environmental Research*, 2(1), pp.1-12, ISSN: 0719-3726.

## 4.**5.2 List of Publications in Peer-reviewed National Journals**

**Department of Chemistry**

(1) Das, Arijit (corresponding author) 2014. 'Time Economic Innovative Methodology on the Prediction of Hybridization State of Heterocyclic Compounds', *IOSR Journal of Applied Chemistry (IOSR-JAC)*, Vol.7, Issue 8(2), PP.38-39, ISSN: 2278-5736, DOI: 10.9790/5736-07412429.

(2) Das, Arijit (corresponding author) 2014. 'Rapid calculation of the number of $\pi$-bonds, $\sigma$-bonds, single and double bonds in aliphatic unsaturated open chain and cyclic olefinic hydrocarbons', *Education in Chemical Science and Technology*, published by the Indian Chemical Society, 2(1), pp. 41-46.

**Department of Pali**

(3) Kumar, Anant 2015. 'Importance of Pali', *Ideal Research Review*, ISSN: 0973-0583.

**Department of Physics**

(4) Sengupta, Saumendu (co-author) 2015. 'An Alternative Method on the Evaluation of Entropy of Mixing of Liquid Li-Pb and Na-Pb Alloys', *Indian Journal of Physics* (Springer), Vol.89, pp.323-329, April-2015, ISSN: 0973-1458 (printed version), ISSN: 0974-9845 (electronic version).

## 4.5.3 List of Publications in Non-Peer Reviewed National Journals

**Department of Commerce**

(1) Das, Sanjoy, (co-author, first author) 2015. 'A Glimpse into Status of Higher Education in India', *Development Dynamics*, Vol.2, January 2015, pp.81-92, ISSN: 2347-6524.

## Detailed List of Books Published

### 4.6.1 Books:

**Department of Bengali**

(1) Das, Sutapa 2014. *Path Pratikriea : Buddhadev Basur Tapashwi O Tarangini*, ISBN: 978-81-89 742-89-8.

**Department of Physical Education**

(2) Majumdar, Dipankar (co-author, first author) 2015. *Sharir Shiksha O Sarirvidya*, ISBN: 978-8192685519 (Tripura: Naya Pustak Mahal).

### 4.6.2 Books Edited:

**Department of Bengali**

(3) Das, Sutapa (co-editor) 2015. *Rabindranather Kalpana*, ISBN-978-81-930980-2-8 (Agartala, Tripura: Naya Pustak Mahal).

(4) Datta, Rabindra Kumar (co-editor) 2015. *Rabindranather Kalpana*, ISBN-978-81-930980-2-8 (Agartala, Tripura: Naya Pustak Mahal).

(5) Datta, Rabindra Kumar (ed.) 2015. *Bangla Kabigan O Kabiyal Haricharan Acharya*, ISBN-978-93-84079-13-0 (Agartala: Akshar Publications).

### 4.6.3 Articles in Edited Books:

**Department of Bengali**

(6) Das, Sutapa 2015. 'Upanyase Kathak Jakhan Srimati Madhuri Lodh', in Rajesh Bhattacharyya O Braja Sundar Mallik (ed.), Pratham Aloy Tripurar Mahila Oupanyasik, ISBN: 978-93-80904-57-3.

(7) Das, Sutapa 2015.'Khelaramer Khela ebong Humbort Humbert', in Soumen Podder & Arijit Bhattacharyya (ed.), *Tulanamuluk Sahitya Bichar*, ISBN: 978-93-83816-36-1.

(8) Das, Sutapa 2014. 'Bankimchandrer Indira O Samarthyer Dwairath', in Mahabubul Haque (ed.) *Bankim Biksha*, ISBN No: (Bangladesh: Chitagang University).

(9) Das (Halder), Khelan 2015. 'Kabigunakar Haricharaner *Kabir Jhankar*: Ek Asamanya Geeta-grantha' in Rabindra Kumar Datta (ed.), *Bangla Kabigan O Kabiyal Haricharan Acharya*, ISBN: 978-9384-079-13-0 (Agartala: Akshar Publications).

(10) Datta, Rabindra Kumar 2015. ''Swami Vivekanander Sebadarsha'', in Jibankrishna Patra (ed.), *Vivekananda Samaj O Shitya*, ISBN: 978-81-930980-1-1.

### 4.6.4 Articles in Edited Books [Seminar Proceedings]:

**Department of Bengali**

(11) Das, Sutapa 2015. 'Vivekanander Mrityurupa Kali' in Jiban Krishna Patra (ed.), *Vivekananda Samaj O Sahitya*, ISBN : 978-81-930980-1-1.

**Department of Commerce**

(12) Deb, Ratan (co-author, first author) 2014. 'Inclusive Entrepreneurship in North-East India : An Analytical Study' in E. Nixon & Amit Kr. Singh (eds.),Entrepreneurship for Economic *Development,* pp.13-24, ISBN: 978-93-82120-57-5 (New Delhi: Lakhi Publishers & Distributors).

(13) Deb, Ratan (co-author, first author) 2014. 'Rural Entrepreneurship in North East India : An Analytical Study' in R. C.Parida, Tasi Kar Ye, Otem Moyong, Sanjib K Jena & Philip Mody (eds.), *Rural Development in India: Issues, Progress and Programme Effectiveness*, pp.09-17, ISBN: 978-93-83241-21-7 (Bangalore: Archers and Elevators).

**Department of Education**

(14) Das, Mallika 2015. 'Swami Vivekanander Shiksha Bhabna O Tar Bartaman Prasangikata' in Jiban Krishna Patra (ed.), *Swami Vivekananda: Samaj O Sahityo*, pp.68-76, ISBN: 978-81-930980-1-1 (Tripura: Naya Pustak Mahal).

(15) Das, Mallika 2015. 'Effect of Deforestation of Tribal Life in Tripura: A Case Study of Kumbukchhara Village, Hezamara Block, West Tripura' in Dilip Sarkar & Nandini Gupta (eds.), *Emerging Environmental Issues in Today Society with Special reference to Northeast India*, pp.120-134, ISBN: 978-93-84471-07-1 (New Delhi: Supriya Books).

**Department of English**

(16) Chaudhury, Ivy 2014. 'Search for Space in Nayantara Sahgal's Plans for Departure and Mistaken Identity' in Dipankar Chakraborty (ed.), Contemporary Essays on Commonwealth Literature, ISBN: 978-81-909143-9-0 (New Delhi: Supriya Books).

(17) Chaudhury, Ivy 2014. 'Novel as a Political Chronicle: A Study of Nayantara Sahgal's A Situation in New Delhi and Rich Like Us' in G. A. Ghanashyam and Prashanta Chakraborty (ed.), Variegated Narratives of Indian English, ISBN: 978-93-82630-32-6 (Jaipur: Aadi Publications).

**Best Practices**

## Best Practice-1

1. **Title of the Practice**: Learning Community Service through Voluntary Blood Donation

2. **The Context**: Blood cannot be manufactured by machines; it can only come from generous donors. India as well as the state of Tripura suffers from the problem of blood shortage. To mitigate this problem, the NSS unit and Students' Council of Ramthakur College regularly organise voluntary blood donation camps. It connects academic programme with community service. The community-based learning is not only a desirable supplement to the students traditional classroom learning but also develops a sense of social responsibility, tolerance and cooperation. It develops linkage between theory and practice, between knowledge and action and between resources of the institution and the community.

3. **Objectives of the Practice**: The objectives of the practice are: (a) to involve students in social movements/activities which promote citizenship role and social networking skills; (b) to create linkage between institution of higher learning and community; (c) to mitigate the problem of blood shortage in the state of Tripura.

4. **The Practice**: The NSS Unit, NCC Unit and Students' Union Council of Ramthakur College organise voluntary blood donation camps every year with assistance from either the Blood Bank of Indira Gandhi Memorial Hospital or Gobinda Vallabh Pant Hospital, Tripura. A Doctor and three-to-five technical staff coordinate the blood camp. Doctor examines weight and primary health condition of each willing donor and technical staff collects blood from the donors. The collected blood is transported and stored in the Blood Bank. This practice is aimed at adequate supply of safe blood, and blood components, like blood group with contact number of the blood donors, are recorded for emergency need.

5. **Evidences**: During last four years (2011-12 to 2014-15):
   2013 ⟶
   (1) BDC on August 7, 2013 – Organised Voluntary Blood Donation Camp (BDC) at College premises.

| Date | Activity |
|---|---|
| Aug' 7, 2013 **Organised by**: Students' Union Council, N.S.S. Unit and N.C.C. Unit, Ramthakur College | NSS Programme Officer, Principal, Secretary of the Teachers' Council, G.S. of the Students' Council of the College, Medical Officer (In-Charge), Blood Bank, and Special Guest delivered speech. Number of Donors = 35 |

(2) Rally on October 1, 2013 – NSS Unit of the College participated in rally on the eve of 'National Voluntary Blood Donation Day' with the State NSS Cell.

Number of participatents – 10 NSS volunteers along with NSS Programme Officer

2012 ⟶

(2) Rally on October 1, 2012 – NSS Unit of the College participated in rally on the eve of 'National Voluntary Blood Donation Day' at Vivek Udyan with the State NSS Cell.

Number of participatents – 08 volunteers along with NSS Programme Officer

(3) October 3, 2012 – Participated in the Seminar-cum-cultural programme on the eve of 'National Voluntary Blood Donation Day' at Women's College, Tripura organised by the State NSS Cell.

Number of participatents – 3 volunteers of the College Unit participated in the cultural programme.

(4) BDC on November 12, 2012 – Students' Union Council, NSS Unit and NCC Unit of Ramthakur College organised Voluntary Blood Donation Camp at College premises.

Number of Donors = 49 persons.

2011 ⟶

(5) October 1, 2011 – Participated in the Seminar-cum-Blood Donation Camp on the eve of 'National Voluntary Blood Donation Day' at Women's College, Tripura organised by the State NSS Cell – 2 NSS volunteers donated blood.

(6) BDC on August 11, 2011 – Students' Union Council, NSS Unit and NCC Unit of the College organised Voluntary Blood Donation Camp on the eve of *Khudiram Sahidan Diwas* (Martyrdom Day of Khudiram) at College premises.

Number of Donors = 36 persons (31 students including NSS and NCC volunteers. 2 non-teaching staff and 3 teaching staff including NCC Programme Officer) donated blood.

6. **Impact of the Practice:** This practice has an impact on students as well as teachers. It helps to grow personality development, moral education and social responsibility & social networking among the students. It also has an impact on the community. Donated blood is utilised by the community as and when required in the state hospitals.

7. **Problems Encountered:** No major problems encountered in the implementation of this practice.

8. **Resources Required**: This practice does not require any additional financial resources.

**Best Practice-2**

1. **Title of the Practice**: Promotion of Environmental Consciousness

2. **The Context**: The College is conscious about undertaking plantation work and maintaining cleanliness in and around the campus, thereby impacting on the health and environment.

3. **Objectives of the Practice**: The objective of the practice is to create a better learning atmosphere which makes the environment carbon neutral and helps to maintain the health of all the inmates.

4. **The Practice**: The plantation area of the College is spread over 12 plots with various plant species and colourful seasonal flowers. Canopies of large leafy trees provide shade and a beautiful ambience to the entire surrounding. Dr. Juthika Bhattacharjee, former Principal of the College was the key person for establishing this beautiful garden which was initiated in the year 2009. To make the campus eco-friendly various initiatives have been undertaken by the College. The College arranges special programmes for generating awareness among students.

5. **Evidence of Success**:
   ⬩ There are more than 120 varieties with various plant species and colourful seasonal flowers in the College campus. Green audit has not been conducted.

**Some Evidences of Green Campus**

| A variety of Rose | Palm (Foxtail) | A variety of Bougainvillea |



⬩ To make the campus eco-friendly, efforts undertaken by the College are:
   ✓ Arranges special programmes by inviting eminent personalities.
   ✓ The NSS unit of the College undertakes various activities, like organising talk on several aspects, drama etc.
   ✓ Science Forum of the College undertakes various activities, like participating in the annual science drama competition and annual science fair with awareness generating models (Refer to 3.26); celebrates National Science Day with multiple programmes.
   ✓ NCC and Students Council celebrate Vanmahotsav Day with plantation and

awareness generating programmes.

6. **Problems Encountered**: A minor hassle encountered is with regard to irrigating certain areas of garden in the summer season.

7. **Resources Required**: Adequate financial support.

8. **Contact Details**: The Principal
   Ramthakur College
   Badharghat, Agartala
   Tripura - 799003
   0381-237 0295 (O)
   http://www. ramthakurcollege.nic.in
   E-mail: iqacrtc@gmail.com

## Abbreviations

| | | |
|---|---|---|
| A.P. | - | Assistant Professor |
| ASSOP | - | Associate Professor |
| CAS | - | Career Advanced Scheme |
| CAT | - | Common Admission Test |
| CBCS | - | Choice Based Credit System |
| CE | - | Centre for Excellence |
| COP | - | Career Oriented Programme |
| CPE | - | College with Potential for Excellence |
| D.D.O. | - | Drawing and Disbursement Officer |
| DHE | - | Directorate of Higher Education |
| DPE | - | Department with Potential for Excellence |
| Govt. | - | Government |
| GATE | - | Graduate Aptitude Test |
| LIG | - | Lower Income Group |
| NET | - | National Eligibility Test |
| NIC | - | National Information Centre |
| NTS | - | Non-teaching Staff |
| OBC | - | Other Backward Community |
| PEI | - | Physical Education Institution |
| PGTs | - | Post Graduate Teachers |
| SAP | - | Special Assistance Programme |
| SC | - | Scheduled Caste |

SF              -        Self Financing

ST              -        Scheduled Tribe

SLET          -        State Level Eligibility Test

TEI            -        Teacher Education Institution

UPE           -        University with Potential Excellence

UPSC          -        Union Public Service Commission

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