

**Kalpataru Vidya Samsthe®**  
**Kalpataru First Grade Science College,**  
**Tiptur**

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**ANNUAL QUALITY ASSURANCE REPORT**

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**2009-2010**

## **VISION**

- The College seeks to accomplish a diverse, progressive educational environment enriching the lives of students, employees and our community.
- To emerge as one of the nation's pre-eminent, premier institutions that moulds the character and future of rural India.
- To induce a paradigm shift in community that education is pre-requisite for human development.

## **MISSION**

- In light of the college's vision, its mission is represented in offering high-quality education to its students, especially to those in the rural sector in the emerging information age.
- The college imparts knowledge, skills and values that are so essential to the educated and responsible citizens.
- The College will strive to attract a faculty that will bring distinction and stature to the institution.
- College works on developing the student's personality that would make him/her capable of innovation, facing challenges, leadership, self-learning, team working and competitiveness. The college is committed to provide a culturally competent and sensitive environment that reflects and celebrates diversity.

## **CORE VALUES**

We value

- Respect, honesty, and integrity
- Diversity in all its dimensions (ideas, people, places)
- Inquisitiveness, free and open exchange of ideas
- Academic excellence and integrity
- Outstanding teaching and service
- Scholarly research and professional leadership.

## **SECTION A**

### **PLAN OF ACTION CHALKED OUT IN THE BEGINNING OF THE YEAR TOWARDS QUALITY ENHANCEMENT.**

- Faculties are encouraged to pursue higher education to update their knowledge and enhance their qualifications.
- To organize guest lectures, seminars and workshops.
- To organize industrial and educational trips for the students that enhances practical knowledge in understanding the subject.
- Encouraging various club activities like science forum, cultural, sports, NSS and NCC.
- Students are sensitized to social and environmental issues.
- Scholarships are awarded to the meritorious and economically backward students to pursue their studies.
- Enriching the curriculum through value added programmes.
- Career training programme is held regularly to improve students' job profile.
- Students are encouraged to use computers and internet extensively in the college.
- To encourage peer to peer method of solving problems that helps in building self confidence.
- Assignments, remedial classes, weekly tests and preparatory examinations are held regularly and evaluation is done to testify the quality sustenance.
- Analyzing the results after each year and planning improvement strategies.
- To impart skills, that is aimed at building the overall personality of the learners.

## **SECTION B**

### **ORIENTATION**

- This programme is held for the students by the teaching staff at the beginning of the academic year to equip them in learning process.
- Students are introduced to various facilities, forums and committees.
- Students are oriented to follow the work culture and ethics of College.
- To promote a value based education.
- To synergize students who are less privileged regarding their basic human rights.
- To promote inter-cultural and inter-religious harmony and concern for the human community.
- To provide quality and career oriented education to students, which creates congenial atmosphere for human and educational excellence.

### **STUDENTS MENTOR WARD PRACTICE**

Every teacher is entrusted with 20 students to monitor their academic progress and acts as a guide and counselor to help the students in overall development.

### **EFFICIENT GOVERNANCE**

The management functions as the backbone of the institution and ensures that all the departments of the college achieve maximum potential.

### **COLLABORATION WITH INDUSTRY IS THE HALL MARK OF OUR COLLEGE**

Seminars, workshops, exhibition are organized in collaboration with ISRO, Astronautical Society of India, BAIF, Indian Institute of Science and CREST. Resource persons are scientists of great caliber and of national and international repute.

## QUALITY ENHANCEMENT

Organizing subject related guest lectures, seminars and conferences for enhancing the students' knowledge and updating their awareness to the current trends in academics.

### 1. Industrial and educational trips

The practical knowledge helps the students in understanding the subjects. It also motivates and inspires the students to imbibe professionalism and competence to meet the global challenges.

### 2. New academic programmes initiated

No programmes were initiated.

### 3. Innovations in curricular design and transaction.

Members of the teaching staff hold various responsible positions in the University.

Following are the Board of Examiners / Board of studies

Sl. No	Name of the Employee	Department
01	Prof B.C. Vinutha	English
02	Prof. C.M.S. Lokeshwaraiah	English
03	Prof. G.N. Umesh	English
04	Dr. A.S. Panchaksharaiah	Hindi
05	Prof. Shivanandaiah	Sanskrit
06	Prof. S. Basavaraddi	Physics
07	Prof. T.B. Jayanandaiah	Mathematics
08	Prof. K.R.Chinnaswamy	Chemistry
09	Prof. Y.P. Shirur	Chemistry
10	Prof. A.M. Shivanna	Chemistry
11	Prof. Chitharanjan Rai	Electronics
12	Prof. Vinoda Phadke	Electronics
13	Prof. G.C Mallikarjanaswamy	Zoology
14	Prof. M.S. Vinay	Computer

## **Effective classroom teaching**

- To conduct seminars on various topics that enhances students' subject knowledge.
- Audio-visual aids like OHP, LCD, power point presentation, chart and models are used to make teaching effective and interesting.
- Tutorials and extra coaching is given to the slow learners and weak students.
- All the Departments encourage students to present papers on various topics.
- Students are given question banks, guidelines, handouts to prepare for the exams.

## **4. Inter disciplinary programmes**

Departments of English, Mathematics, Physics, Electronics Chemistry, Botany, Zoology and Political Science coordinate while teaching Ecology and Environment, War and Civil Society, Business and Ethics and Indian Constitution.

## **5. Examination reforms implemented**

The examinations were conducted according to the pattern prescribed by the University.

Assignments, remedial classes, tests and preparatory examinations were conducted and immediate correction and evaluation was done, giving feedback to the students about their performance and implementing remedial measures that testify the quality sustenance.

Internal assessment was evaluated based on assignments, test marks and punctuality of the students.

## **6. Candidates qualified: NET / SLET / GATE etc.**

-Nil-

## **7. Initiative towards faculty development programme**

The college promotes research culture among faculty. Many of them are engaged in active research and minor projects.

The faculties are encouraged to attend seminars, workshops conferences and are provided with leave and financial help if needed.

## **Following guest lecturers were organized:-**

- Prof. Malathi spoke on ' Women and her health' on 21-7-2009 and the session was followed by question and answer session.

- Dr. Tharadevi spoke on ‘Anemia in adolescent girls’ on 7-8-2009 and the session was followed by question and answer session.
- Prof. E.T.Puttaiah, Head of the Department, Centre for Environmental Studies, Kuvempu University spoke on ‘Ecology and Environment’.
- Dr. Basavaraju Nellisara, Head of the Department, Kannada Folklore, Kuvempu University spoke on Folk Literature.

#### 8. Total number of seminars/ workshops exhibitions conducted

Three Work shops were conducted.

9. Research projects -Nil-

10. Patents generated, if any No patents were generated

11. New collaborative research programmes -Nil-

12. Research grants received from various agencies -Nil-

#### 13. Details of Research Scholars

Following teachers are pursuing PhDs

Name	Department	Topic/Title
Prof. Chitharanjan Rai	Electronics	“Studies on optical and electrical properties of pure and doped triglycine sulphate crystals”
Prof. G.N. Umesh	English	“A Typological study of characters in R.K. Narayan’s novels”.
Prof. S. Basavaraddi	Physics	“Studies on the ground water quality of Tiptur town and surrounding areas”
Prof. Shivanandaiah	Sanskrit	“Mammata and Ruyyaka on Alankaras a comparative study”

## **Teachers as research guides**

Dr A.S. Panchaksharaiah is a recognized guide of Bangalore University.

In his guidance, two candidates are awarded Ph.D. from Bangalore University and four candidates are pursuing Ph.D.

## **14. Citation index of faculty members and impact factors**

Prof. Chitharanjan Rai, :ISSN 0921 – 4526 Impact Factor: 1.056  
: ISSN 0022 – 0248 Impact Factor: 1.85  
: ISSN 0168 – 583X Impact Factor: 1.042

## **15. Honors /Awards to the faculty -Nil-**

## **16. Internal resources generated**

The following help in generating income:

### **Society**

There is a small store within the campus. Students can purchase text, record books and general stationery from the store.

### **Photocopier Point**

The students can avail the facility of photocopy and compilation of study material from the photo copier point.

### **Parking**

There is a spacious parking area and a guard is deputed to facilitate secured parking.

### **Banking**

The college is having a branch of Syndicate Bank. The students can open their account as well as avail other banking facilities.

### **Canteen**

The college canteen provides a variety of snacks and beverages for a nominal price.

### **Philanthropic persons**

During Seminars many people and the alumni have sponsored gifts in the form of bags, files and mementoes to the participants



## 17. Details of depts. getting SAP, COSIST (ASSIST) DST, FIST and other programmes

-Nil-

## 18. Community services

- The NSS Wing is involved in many social welfare activities.
- 58 Students donated blood on 12-8-2009.
- To commemorate the great king Sri Krishnadevaraya's 500th anniversary on the throne, a special lecture was organized by the N.S.S. unit.

Annual special camp was held at Thimmalapura, Honnavalli Hobli for 07 Days in the month of Feb. 2010 for a meaningful link between community and campus.

NSS units organized the following programmes and activities:

- Planting saplings as a part of the "Green Tiptur" initiative.
- Talks on socially relevant issues like dowry, drug menace, fight against corruption, Organic farming, etc
- Blood donation camp was held regularly.
- Health programmes to create awareness on H<sub>1</sub>N<sub>1</sub>, HIV, and AIDS etc.
- Beautification of temples, road formation etc.

NCC helps to develop character, comradeship, discipline, a spirit of adventure and selfless service to the country.

Cadet Rakesh H.C. and Cadet Sampath Raj S. of II B.sc participated in the National Integration Camp from 7-1-2010 to 18-1-2010 at Bagalkot.

Trekking was organized on 11-10-2009 to Siddarameshwara hill near Arsikere.

## 19. Teachers and officers newly recruited

Deepashree KS	- Mathematics
Sukanya HB	- Mathematics
Mouna KL	- Comp. Science

## 20. Teaching – Non teaching staff ratio: 1.1:1

Teaching Staff: 33

Non teaching Staff: 30

## **21. Improvement in the library services**

The college has spacious library housing over 27252 books on varied topics. College gets an annual management grant and UGC grant of 2 to 3lakh, with these grants the college sees the arrival of new books every year.

Our library has a wide range of popular magazines, daily news papers, textbooks, reference books, dictionaries, encyclopedias, CDs, DVDs and journals.

Books exhibition is conducted at the beginning of the year.

Number of books	- 27252
Magazines	- 50
News papers	- 13

## **22. New books / journals subscribed and their value**

Rs. 23,696/- for Journals and periodicals

Rs. 1,68,775/- for New Books, Total number of books 1,353

## **23. Courses in which students' assessment of teachers is introduced and the action taken on students' feedback**

- Students' objectively evaluate the staff through confidential questionnaires which help teachers to improve.
- The written suggestions regarding improvements in teaching –learning, received from the students through the suggestion box were considered and necessary action was taken.

## **24. Unit cost of education**

1716/- per student (excluding salary component)

2910/- per student (including salary component)

**25. Computerization of administration and the process of admissions and examination results, issue of certificates.**

The college office, administration and accounts are fully computerized. It is upgraded every year. Examination section is fully improved with computerized system.

**26. Increase in the infrastructural facilities**

New ladies hostel is built with the UGC assistance and Golden Jubilee building is coming up.

**27. Technology up gradation**

Departments of Electronics, Computers, Botany, Zoology, Chemistry and Physics purchased LCD projectors.

**28. Computer and internet access and training to teachers, non – teaching staff and students.**

- The faculty and the students are encouraged and allowed to surf the net at free of cost.
- Internet facility has been provided to all the departments.
- A multimedia centre has been set up to help teachers in recording lectures during seminars and workshops. It is equipped with a high – resolution scanner, video signal processing cards and mp3 recorder.
- Teachers as well as the students make extensive use of the computers for making power point presentations, preparing seminar papers and projects as well as for reference work by surfing the internet.

**29. Financial aid to students**

The institution provides financial aid to the needy and eligible students. Aid is provided to less fortunate students to meet their educational and nutritional needs by the members of the staff.

### Scholarships

<b>Particulars</b>	<b>No. of Students</b>	<b>Amount</b>
<b>SC/ST</b>	<b>24</b>	<b>1,06,658-00</b>
<b>CAT-1</b>	<b>07</b>	<b>15,600-00</b>
<b>SANCHI HONNAMMA</b>	<b>42</b>	<b>84,000-00</b>
<b>SIR CV RAMAN</b>	<b>14</b>	<b>70,000-00</b>
<b>KARNATAKA SCIENCE &amp; TECHNOLOGY ACADEMY</b>	<b>01</b>	<b>5,000-00</b>
<b>OBC</b>	<b>36</b>	<b>27,600-00</b>
<b>JINDAL</b>	<b>02</b>	<b>8,400-00</b>
<b>POST METRIC</b>	<b>01</b>	<b>2,911-00</b>
<b>BEEDI WORKERS</b>	<b>01</b>	<b>3,000-00</b>
<b>STUDENT AID FUND</b>	<b>24</b>	<b>4,680-00</b>
<b>Total</b>		<b>3,27,249-00</b>

### 30. Activities and support from the Alumni association

Our Alumni hold distinguished positions in almost all spheres of society; government, bureaucracy, finance, banking, academics, industry, business etc.

The purpose of the alumni association is to provide a platform for all former students of our college to meet and walk down the memory lane. It is to recollect and cherish fond memories of the glorious years spent in the institution.

The Alumni have sponsored many seminars and camps. They have gifted bags, files, pens and mementoes to the participants.

### **31. Health Services**

- It is located in the vicinity of the college. It provides OPD facilities.
- Health awareness programmes are organized to create awareness to the students, faculty and non-teaching staff.
- Informative talks on common diseases are delivered by physicians.
- Blood donation camp is organized by the college every year and the blood group of each student is identified.
- Student counseling is an added facility provided for the students.

### **32. Activities and support from the Parent-Teacher Association**

The parents are appraised on quality measures taken by the institute at the time of admission. They are kept informed about the progress of their wards through mobile/letter by their mentors.

### **33. Performance in sports activities**

Sport is seen as an integral part of education and the college encourages both sports and sportsmanship.

Sports day is celebrated every year. The college organizes an annual athletic meet for students. Every year inter and intra college competitions are held and winners are trained to participate in district, University, State and National levels.

Our college has well equipped courts for kho-kho, kabaddi, Ball Badminton, Net ball, Volley ball, throw ball and a stadium for indoor and outdoor activities.

Cricket ground and an athletic track are renovated.

### **Mega Event**

Every year the college conducts inter-class cricket tournament for the boys which offers entertainment and promotes good will among students.

Kalpataru College Cricket team lifted Kalpataru cup in inter collegiate sub divisional level. Shamantha GV participated in National level Net ball tournament and was honoured by our college.

### 34. Incentives to outstanding sports persons

- Honouring the best out going students in sports.
- Cash prizes, cups, shields and mementoes are given to outstanding winners in various sports and games.
- Track suits are given to winners and participants in University, State and National level competitions.
- Kalpataru Cup is given to winners for interclass cricket tournament.

### 35. Students achievement and awards

K.P. Sharath and S.Ashok Kumar participated in ‘Science Model Competition’ and won First prize in Zonal level Competition organized by the Department of Science and Technology under the title ‘Save Planet Earth’.

Geetha, Savitha and Sowmya won prizes in ‘Food Preservation’ Category.

Mamatha.p. and Kavyashree won First prize in University Level Debate Competition held at Government First Grade College, Sira, Tumkur District organized by Women cell.

Archana K.B. won Second prize in inter collegiate folk song competition.

The following rank students were honoured with gold and silver medals by our Management.

Pradeepa U.R.	PCM	-	II Rank
Deepika N.B.	PMCs	-	III Rank
Veena S.	CBZ	-	IV Rank

### Results

- Examination results improved considerably from 80 to 88%.
- Subject toppers were honored by respective departments with cash prizes and mementoes.
- Special awards were conferred on college toppers.
- Students participated in many cultural and sports competitions and have won prizes.
- Special prizes were given to NSS students for their community service and their taste for social work.
- Best NCC cadets were given prizes for their commitment to the nation.
- Many students have brought laurels to our college by winning many prizes.

YEAR : 2009						
SEM	YEAR	NO. STUDENTS	I class	II class	TOTAL	Pass %
I	Nov 2009	225	172	9	181	80
II	Jun 2009	131	87	10	97	74
III	Nov 2009	128	80	4	84	66
IV	Jun 2009	98	65	14	79	81
V	Nov 2009	98	80	6	86	88
VI	Jun 2009	129	87	5	92	72

### 36. Activities of the Guidance and Counseling unit

The cell is equipped with a professional counselor to deal with students' problems and offers solutions to them. The Counseling cell guides the students in academic improvement to cope with peer group pressure, societal pressure, and personal problems to understand themselves better and to face life in a meaning full way.

Counseling unit helps the students to manage negative emotions like anxiety, depression, anger and stress and it also helps them to improve concentration, memory etc.

### 37. Placement services provided to students

It gives clear direction to plan their career and personal ambitions.

Many placement related training programmes were organized during the year like workshop on personality development, interpersonal relationships, group discussion, interview skills, interview etiquettes, and mock interview.

The following programmes were organized for the students:

- An activity based workshop was conducted on "Interpersonal relationship" by Prof. Malathi, Dept. of Psychology, PAAC, Tiptur on 05/09/2009.
- A programme to teach the students on interview etiquettes was conducted by Ms. Divya sujith, Dept of English, ICFAI, Tumkur on 01/10/2009.

The programme consisted of mock interview, tips to face the interview etc.

### PLACEMENT CELL REPORT

Sl. NO.	Name of the company	Date of interview	No. of students selected
1	L & T Mysore	25-06-2009	08
2	Pidilite India Ltd, Bangalore	07-07-2009	06
3	Cambridge Worldwide solutions	22-06-2009	01

#### 38. Development programmes for non-teaching staff

Basic Computers, MS office is taught by the department of Computer Science.

#### 39. Good Practices of the Institution

Transparency in admission

Transparency in Internal assessment

- **Donors Club**

It is a blood donation club. Hospitals and needy patients approach the college whenever blood is required. The students volunteer to donate blood. This speaks for their commitment to the social needs.

- **Campaign, rallies and marches**

Peace march was organized by the students to stop the scourge of corruption in our society.

- **Less Plastic for me**

Students have replaced plastic use with environment friendly paper bags and cups.

- **No to Drugs and alcohol**

Students are aware and they know how to say 'no' to tobacco, alcohols and drugs.



- **Trees for the future**

Every year NSS students plant 50-100 saplings and nurture with care and love.

- **To work for environment and sustainable development**

Compost pits - leaves and biodegradable garbage are collected to form compost.

- **Rain water harvesting**

Students save water from going waste during seasonal rainfall.

- **Industrial and educational trips**

The practical knowledge helps students in understanding the subject. It motivates and inspires the students to imbibe professionalism and competence to meet the global challenges.

- **Botanical garden and specimen collection**

Students of Botany collect and maintain the Botanical garden under the supervision of the department of Botany. Students of Zoology are involved in specimen collection with help of the department.

- **Art that has no boundaries**

Students take up the responsibility of all major decorations including the rangoli displayed in the lower foyer, wall decoration and stage for college day, workshops, seminars, exhibitions etc.

We encourage students to bring forth their creativity, ideas and imagination to enhance the artistic sensibility of our college.

- **Women Redressal Cell**

The cell Spreads awareness on a variety of youth issues like sexuality, malnutrition, dieting and many more. It deals with various women related problems and the Cell helps to renounce practices derogatory to the dignity of women.

Talks on various women related issues are organized every year.

- **Seminars**

Faculties and the students are encouraged to organize and participate in the state and national seminar, which ensures quality enhancement towards curricular aspects.

- **Teacher's Day**

Teachers Day is celebrated with great gusto. Students organize various games and competitions for the teachers, which is full of fun and laughter.

- **Publications of Students**

College magazine and wall magazine are full of articles, features and news .It is also about expressing oneself.

- **Clean and cool Ambience**

Students take care to keep the campus litter free.

- **Travel and Tours**

Class Picnics and tours are organized by the students with the permission of the principal. Students are accompanied by the mentors, which are enriching experience for all.

- **Cultural Committee**

All of us have some hidden artistic talent which just needs to be nurtured. Cultural committee provides the students a platform for a new learning that goes beyond the syllabus. Committee wishes to awaken, inspire and stimulate students. It's not only interesting, competitive but also quite interactive.

Cultural programmes are hosted for two weeks for all students. Various competitions are organized in an atmosphere of fun and camaraderie.

In order to create a space for students to express their talent, the college conducts various competitions every year like debate, lecture, essay writing competition, quiz, rangoli, mehendi, pick and speech, mono acting, advertising, collage, drawing, painting etc

Cultural committee serves to be a medium for discussions and debate. It encourages different forms of Indian music, folk songs, patriotic songs, light music

and film songs. College upholds Indian tradition, culture and values by promoting Indian music, folklore, dance and by celebrating various Indian and national festivals. This year we seek to create more such platforms to encourage the college community to participate in various cultural activities.

Students are trained by experts to hone their skills and encourage them to participate in various competitions held in different Institutions and organizations. Students have brought laurels to our college.

- **Science Forum**

It believes in 'Education for life, education through life, education throughout life'. The practical and theoretical methods of learning are given equal importance so as to produce a more socially aware and well-rounded science graduates.

Science Forum organizes many events like guest lectures, seminars, competitions, quiz and exhibitions for the students throughout the academic year.

The Science Forum organized a science exhibition on 12-9-2009 for the high school students. Our college students were trained by the teachers to explain and demonstrate the various experiments with the help of charts, models and lab equipments. It was a stimulating event brimming with youthful dynamism; students were teachers for two days, explaining and demonstrating various experiments that were prescribed for the high school syllabus. This exhibition was relevant to education in particular and life in general. In the end the school children could comprehend the curriculum in an easier way through practical knowledge.

Every year National Science Day is celebrated on 28<sup>th</sup> February and talks on the various Science topics are organized. To commemorate National Science Day, Science Forum had organized University level Science lecture competition on 4-3-2010 and winners were given cash prizes.

Final year B.Sc students visited Indian Institute of Science on 26-2-2010 and had the opportunity to interact with scientists.

## SECTION C

### Detail plan of the Institution for the year 2010-2011

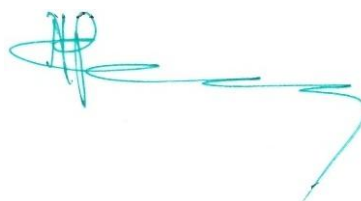
- The college will promote research by encouraging the staff members to pursue higher studies and apply for minor and major research projects.
- The staff members will be encouraged to attend seminars and workshops to upgrade their knowledge.
- The Departments will be encouraged to organize state and national level conferences, seminars and workshops.
- To introduce more self-financing short-term certificate courses to generate resources.
- To increase the employability of students through the placement cell.
- To introduce a course in Communication skills for the students and non-teaching staff.
- To reach new heights both in academic and curricular activities.



Name & Signature of the

Coordinator, IQAC

(Prof. T.B. Jayanandaiah)



Name & Signature of the

Chairperson, IQAC

(Prof. N Parameswrappa)