Yearly Status Report - 2019-2020

Part A	
Data of the Institution	
1. Name of the Institution	**THE NATIONAL COLLEGE, JAYANAGAR, BANGALORE**
Name of the head of the Institution	**Dr. B R Parineetha**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**08026549684**
Mobile no.	**9844494807**
Registered Email	**ncjblore@yahoo.com**
Alternate Email	**ncjblore@gmail.com**
Address	**36th B Cross 2nd Main 7th Block Jayanagar**
City/Town	**Bangalore**
State/UT	**Karnataka**
Pincode	**560070**

2. Institutional Status

Autonomous Status (Provide date of Conformant of Autonomous Status)	**24-Feb-2005**
Type of Institution	**Co-education**
Location	**Urban**
Financial Status	**private**
Name of the IQAC co-ordinator/Director	**Dr. Chintha Vijayalakshmi**
Phone no/Alternate Phone no.	**08026549684**
Mobile no.	**9035900298**
Registered Email	**vijayalakshmi.iqac.ncj@gmail.com**
Alternate Email	**ncjblore@gmail.com**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://ncjayanagar.com/wp-content/uploads/2020/12/5f608dcc551b7_aqar_report.pdf

4. Whether Academic Calendar prepared during the year

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	https://ncjayanagar.com/wp-content/uploads/2020/12/Calendar-of-Events-2019-20.pdf

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity	
				Period From	Period To
3	**A**	**3.05**	**2017**	**22-Feb-2017**	**21-Feb-2022**

6. Date of Establishment of IQAC

6. Date of Establishment of IQAC	**15-Jul-2009**

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture

Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
Academic Quality Enhancement Programme	09-Aug-2019 7	100
A Workshop on For a Gender Inclusive Space	29-Jan-2020 2	150
Skill Development Programme for Teaching and Non-Teaching Staff	04-Jan-2020 6	50
A State level seminar on IPR for spurring innovation and Creativity	28-Dec-2019 7	75
A workshop on Innovative Teaching Methods in Science and Humanities	07-Aug-2019 6	50
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8. Provide the list of Special Status conferred by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
nil	nil	nil	2020 0	0
[View File](#)				

9. Whether composition of IQAC as per latest NAAC guidelines:	**Yes**
Upload latest notification of formation of IQAC	[View File](#)
10. Number of IQAC meetings held during the year :	**2**
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	**Yes**
Upload the minutes of meeting and action taken report	[View File](#)
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	**No**

12. Significant contributions made by IQAC during the current year(maximum five bullets)

1. Organized Quality Improvement FDPs/ Skill Development Programmes / workshops/ Seminars/ Talks for faculty members and nonteaching staff. 2. Women centered development through programme, For a Gender Inclusive Space was organized in

collaboration with Durga, Rural India Supporting Organization. 3. IQAC encouraged the departments to organize Guest Lectures. 4. Academic Quality Enhancement Programme in collaboration with Disha Foundation was organized aiming to provide valuebased education for the students. 5. Organized a State llevel seminar on IPR for Spurring Innovation and Creativity in association with National Law School of India University.

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13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year

Plan of Action	Achivements/Outcomes
Proposed to renovate seminar hall. Proposed to conduct programs of quality improvement for the teaching and nonteaching staff. It was decided to conduct career guidance workshops for the students.Proposed to build and sustain an enriched teaching and learning environment. Proposed to procure new books as per the revised syllabus of Bangalore University. Proposed to upgrade lab facilities. .	Seminar hall was renovated with Multimedia facilities .. One workshop on pedagogy was organised. Career guidance workshops and counselling were organized. One UGC sponsored State level seminar on IPR and a National level conference by the department of Commerce were conducted which provided an experiential learning platform for students and enriched staff knowledge.A total of 79 text books and 532 reference books were procured for the year by the library. Equipment worth two lakhs fifty thousand rupees is allotted to upgrade lab facilities.

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14. Whether AQAR was placed before statutory body ?	Yes

Name of Statutory Body	Meeting Date
Governing Body	17-Mar-2020

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No

16. Whether institutional data submitted to AISHE:	Yes

Year of Submission	2020

Date of Submission	13-Mar-2020

17. Does the Institution have Management Information System ?	No

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Design and Development

1.1.1 – Programmes for which syllabus revision was carried out during the Academic year

Name of Programme	Programme Code	Programme Specialization	Date of Revision
BA	BA!	ENGLISH	11/06/2019
BSc	B.Sc.1	MATHEMATICS	12/06/2019
BCA	BCA01	COMPUTER SCIENCE	01/06/2019
BCom	B.Com.01	COMMERCE	30/05/2019
MSc	M.Sc.01	MATHEMATICS	12/05/2019
MSc	M.Sc.02	PHYSICS	15/05/2019
MCom	M.Com.01	COMMERCE	18/05/2019
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1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
BA	HES	28/06/2019	BA1	28/06/2019
BSc	PCM	28/06/2019	B.Sc.1.1	28/06/2019
BCA	COMPUTER SCIENCE	28/06/2019	BCA01	28/06/2019
BCA	DATA SCIENCE	28/06/2019	BCA03	28/06/2019
BSc	BIOMEDICAL ELECTRONICS	28/06/2019	B.Sc.1.5	28/06/2019
MSc	MATHEMATICS	06/09/2019	M.Sc.01	06/09/2019
MSc	PHYSICS	06/09/2019	M.Sc.02	06/09/2019
MCom	COMMERCE	06/09/2019	M.Com.01	06/09/2019
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1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
BCA	Data Science	28/06/2019
BCA	Internet of Things	28/06/2019
BSc	Biomedical Electronics	28/06/2019
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the College level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BCA	Data Science	28/06/2019

| BCA | Internet of Things | 28/06/2019 |
| BSc | Biomedical Electronics | 28/06/2019 |

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
Nil	30/12/2020	Nill
No file uploaded.		

1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BA	PSYCHOLOGY	4
BA	JOURNALISM	25
BCA	COMPUTER SCIENCE	215
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

Feedback Obtained
The IQAC of the college obtains feedback from Students, Teachers, Employers and Alumni regarding the curriculum every year. The opinions and suggestions of the students have been considered for introducing necessary changes in the curriculum. In each Department Alumnus representative and industry experts have been included with Board of Studies for framing the syllabus. Feedback is also obtained from eminent academicians who are a part of the Academic Council and IQAC. The college has made sustained efforts for quality enhancement in development of the curricula by organizing seminars on Strategies for quality enhancement in teaching and curriculum development by different departments. For instance the Department of Psychology has continuous interaction with NIMHANS which has helped in effective development of curricula. Interface with media has helped in strengthening the course content and the students have regularly visited the media centres for internship programme.by this feedback is secured from the stakeholders in improving the curriculum.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BSc	PMCs	60	25	14

BSc	PCM	72	30	17
BA	JPS	30	15	6
BA	JPK	30	10	2
BA	JEP	30	20	14
BA	HJE	30	15	5
BA	HJK	30	5	1
BA	PES	100	10	7
BA	HEK	100	20	11
BA	HES	100	26	23
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2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	925	98	57	21	7

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used
78	78	19	5	1	4
[View File of ICT Tools and resources](#)					
[View File of E-resources and techniques used](#)					

2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

Mentoring system is available in the institution. The teachers of the various departments have identified slow learners in their subjects and have conducted mentoring sessions just after the first internal test based on the marks secured by the students. A list of low performers, average performers and high level performance is prepared and special mentoring sessions are conducted for low performers and average performers suggestions are provided to low performers to enable the students overcome their learning difficulties. The college has also established Placement Cell for providing exposure to the students about the career opportunities. Every year, soft skills programmes and career counselling programmes are organized. Moreover, Students Grievances Redressal Cell has been established and counselling is given to the students. To guide and mentor the students, the college has well qualified and experienced faculty. The college has published an updated prospectus every year and is made available to the public about the programmes offered and the curricular and co-curricular activities. Apart from the prospectus, the college also publishes a magazine Srujana highlighting the achievements of the students/ staff showcasing their talents.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1023	78	1:13

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
78	78	Nill	7	11

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2020	Nill	Nill	Nill

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2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BA	UA1	6	28/09/2020	29/10/2020
BSc	US1	6	03/10/2020	29/10/2020
BCA	UB1	6	06/10/2020	29/10/2020
BCom	UC1	6	06/10/2020	29/10/2020
MSc	PM1	4	06/10/2020	06/11/2020
MSc	PP2	4	06/10/2020	06/11/2020
MCom	PC3	4	06/10/2020	06/11/2020

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2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
Nill	Nill	0

2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

https://ncjayanagar.com/wp-content/uploads/2010/10/PO-PSO-and-CO-2018-19.pdf

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
UA1	BA	HEK	8	8	100
UA2	BA	HJK	3	3	100

UA3	BA	HES	14	12	85.7
UA7	BA	PES	3	3	100
UA5	BA	JEP	14	14	100
UA6	BA	JPS	4	4	100
UA4	BA	HJE	1	1	100
US1	BSc	PCM	18	17	94.4
US2	BSc	PME	11	9	81.8
US3	BSc	PMCs	14	9	64.2

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2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

https://ncjayanagar.com/wp-content/uploads/2021/10/ATR-2019-20.pdf

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

3.1.1 – The institution provides seed money to its teachers for research

No
No file uploaded.

3.1.2 – Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
International	Dr. R. Rajaramakrishna	Post doctoral fellowship	16/05/2019	National Research Council of Thailand, NRCT.

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3.2 – Resource Mobilization for Research

3.2.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Nill	0	Nil	0	0

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3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

0

3.3 – Innovation Ecosystem

3.3.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
Skill Development for teaching and non-teaching	IQAC	03/01/2020

Staff		
Career Guidance for Competitive Exams	IQAC	12/03/2020
Workshop on Gender Equality- Durgas Voice Lab in campus	IQAC	29/01/2020
One day workshop onPreparation for K -SET, NET and other competative Exams	PG Mathematics	19/06/2019
One day workshop on Applications of Mathematics.	PG Mathematics	23/12/2019
National Workshop on Origin Pro Mathematica	PG Physics	02/01/2020
International Webinar on Materials Science	PG Physics	28/05/2020
One day National Seminar on Impact of Social Media on Commerce was conducted in association with UG department of Commerce	PG Commerce	03/04/2020
Relevance, Rereading and Representation- Adaptation of Myths,Legends and Folktales in Indian English literature	UG English	14/02/2020
MEMS and BIOSENSORS	Electronics	03/09/2019
Workshop on IoT	Computer Science	07/01/2019
Soft Skill Development	Computer Science	03/08/2019
IOT Workshop Texas Instruments University Program	Computer Science	16/08/2019
AI Workshop	Computer Science	13/09/2019
Skill Development Training by Enrologies	Computer Science	03/01/2020
Skill Development Training	Computer Science	11/01/2020
State level Seminar on Cyber Physical System	Computer Science	06/03/2020
Software Testing	Computer Science	13/03/2020
Innovative Methods of Teaching in Science and Humanities	IQAC	07/08/2019
IPR for Spurring Innovation and Creativity	IQAC	28/12/2019
Academic Quality	IQAC	19/09/2019

Enhancement Programme- Dishas Foundation			

3.3.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Nil	Nil	Nil	30/12/2020	Nil

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3.3.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
Nil	Nil	Nil	Nil	Nil	30/12/2020

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3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
PG MATHEMATICS	2
PG PHYSICS	2

3.4.2 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
National	PG Mathematics	11	4.2
International	PG Mathematics	2	4.5
National	PG Physics	36	4.5
International	PG Physics	1	4.5

3.4.3 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
PG Department of Mathematics	13
Department of Kannada	3

3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
Nil	Nill	0	30/12/2020

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3.4.5 – Bibliometrics of the publications during the last academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation

Analysis of heat transfer and thermal radiation on natural convective flow of fractional nanofluids	Dr. K. Madhura K.R.	Journal of Nanofluids	2019	5	PG Department of Mathematics, National College, Jayanagar	106
Impact of temperature-dependant viscosity and thermal conductivity on MHD boundary layer flow of two-phase dusty fluid through permeable medium	Dr. Madhura K.R.	Engineering Science and Technology, an International Journal	2019	5	PG Department of Mathematics, National College, Jayanagar	106
Numerical computation on Marangoni convective flow of two-phase MHD dusty nanofluids under Brownian motion and thermophoresis effects	Dr. Madhura K.R.	Heat Transfer – Asain Research	2019	5	PG Department of Mathematics, National College, Jayanagar	106
Numerical computation on Marangoni convective flow of two-phase MHD dusty nanofluids under Brownian	Dr. Madhura K.R.	International Journal of Applied and Computational Mathematics	2019	5	PG Department of Mathematics, National College, Jayanagar	106

motion and thermophoresis effects						
MD Simulation and Luminescence properties of Eu3 doped Molybdenum Gadolinium Borate glasses for red emission	Dr. R. Rajaramakrishna	Journal of Alloys and Compounds	2020	9	PG Department of Physics National College Jayanagary	102
Structural analysis and luminescence studies of Ce3: Dy3 co-doped calcium zincgadolinium borate glasses using EXAFS	Dr. R. Rajaramakrishna	Radiation Physics and Chemistry	2020	8	PG Department of Physics National College Jayanagar	102
Effect of SnO2/SeO2 on Au nano?particles doped silicate glasses: a structural study using XAS and EXAFS refinements	Dr. R. Rajaramakrishna	Optical and Quantum Electronics	2020	9	PG Department of Physics National College Jayanagar	102
Investigation of XANES study and energy transport phenomenon of Gd3 to Ce3 in CaO-SiO2-B2O3 glasses	Dr. R. Rajaramakrishna	Optical Materials	2020	9	PG Department of Physics National College Jayanagar	102

| Effect of sodium oxide and sodium fluoride in gadolinium phosphate glasses doped with Eu2O3 content | Dr. R. Rajaramakrishna | Journal of Luminescence | 2020 | 9 | PG Department of Physics National College Jayanagar | 102 |
| Role of 5 mol Mg-Ni on the Structural and Magnetic Properties of Cobalt Chromates Crystallites Prepared by Solution Combustion Technique | Dr. R. Rajaramakrishna | Journal of Superconductivity and Novel Magnetism | 2020 | 8 | PG Department of Physics National College Jayanagar | 102 |

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3.4.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Analysis of heat transfer and thermal radiation on natural convective flow of fractional nanofluids	Dr. Madhura K.R.	Journal of Nanofluids	2019	5	106	PG Department of Mathematics National College Jayanagar
Impact of temperature-dependant viscosity and thermal conductivity on MHD boundary	Dr. Madhura K.R.	Engineering Science and Technology, an International Journal	2019	5	106	PG Department of Mathematics National College Jayanagar

layer flow of two-phase dusty fluid through permeable medium						
Numerical computation on Marangoni convective flow of two-phase MHD dusty nanofluids under Brownian motion and thermophoresis effects	Dr. Madhura K.R.	Heat Transfer – Asain Research	2019	5	106	PG Department of Mathematics National College Jayanagar
Numerical investigation on convective flow of two-phase MHD dusty nanofluids over a wavy surface with Browian motion and thermophoresis effects	Dr. Madhura K.R.	International Journal of Applied and Computational Mathematics	2019	5	106	PG Department of Mathematics National College Jayanagar
Photoluminescence properties and energy transfer investigations of Gd3 and Sm3 co-doped ZnO-BaO-TeO2 glasses for solid state laser application	Dr. R. R ajaramakrishna	Journal of Luminescence	2020	10	102	PG Department of Physics National College Jayanagar

Title	Author	Journal	Year	Volume	Page	Affiliation
Investigations on nonlinear optical properties of gold nanoparticles doped fluoroborate glasses for optical limiting applications	Dr. R. Rajaramakrishna	Journal of Non-Crystalline Solids	2020	10	102	PG Department of Physics National College Jayanagar
Physical, optical properties and radiation shielding studies of xLa2O3-(100-x) B2O3 glass system	Dr. R. Rajaramakrishna	Ceramics International	2020	10	102	PG Department of Physics National College Jayanagar
Comparative study of optical and luminescence properties of Sm3-ions doped Li2O-Gd2O3-PbO-SiO2 and Li2O-GdF3-PbO-SiO2 glasses for orange emission solid state device application	Dr. R. Rajaramakrishna	Journal of Luminescence,	2020	10	102	PG Department of Physics National College Jayanagar
Effect of oxide and oxyfluoride in gadolinium phosphate glass doped with Eu	Dr. R. Rajaramakrishna	Journal of Physics: Conference Series	2020	10	102	PG Department of Physics National College Jayanagar

Eu3 ions doped SrO-CaO-Li2O-B2O3 glasses for optical display material a pplication	Dr. R. R ajaramakri shna	Journal of Physics: Conf. Series	2020	10	102	PG Department of Physics National College Jayanagar

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3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	22	7	Nill	Nill
Presented papers	6	8	Nill	Nill
Resource persons	Nill	2	Nill	Nill

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3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
Nil	Nil	Nil	0

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3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
Nil	Nil	Nil	0	0

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3.6 – Extension Activities

3.6.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Swachch Bharat Activity	NCJ	1	50
Swachch Bharat Activity at Cubbon Park	NCJ	1	20
Seed Ball Preparation	NCC NSS	1	19
Blood Donation	Red Cross Society	10	50

Camp			
Prevention of Drug Abuse	Lions Club International District 317F	27	230
Flood Relief Rally	NCC NSS	2	100
Social Service Activity	Margiadarshi, association for physically challenged	1	20
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 3.6.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Nil	Nil	Nil	Nill
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 3.6.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
Nil	Nil	Nil	Nill	Nill
No file uploaded.				

3.7 – Collaborations

 3.7.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
Nil	Nil	Nil	0
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 3.7.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Nil	Nil	Nil	30/12/2020	30/12/2020	0
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 3.7.3 – MoUs signed with institutions of national, international importance, other institutions, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Nil	30/12/2020	Nil	Nill

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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
1010000	1584758

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Classrooms with Wi-Fi OR LAN	Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Video Centre	Newly Added
Seminar halls with ICT facilities	Newly Added
Classrooms with LCD facilities	Newly Added
Seminar Halls	Newly Added
Laboratories	Newly Added
Class rooms	Existing
Campus Area	Existing
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4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
Libsoft	Fully	9.8.0	2004

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	8278	1425329	79	9685	8357	1435014
Reference Books	50599	6294500	532	121524	51131	6416024
Journals	35	623127	Nill	60139	35	683266
CD & Video	345	73528	Nill	5900	345	79428
e-Journals	1	26650	Nill	5900	1	32550
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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under

Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Nil	Nil	Nil	30/12/2020
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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/ GBPS)	Others
Existing	106	86	106	13	0	6	7	150	6
Added	28	28	28	0	0	0	0	0	0
Total	134	114	134	13	0	6	7	150	6

4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

150 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
MULTIMEDIA HALL	https://www.youtube.com/watch?v=fLmMqvNCXsU&feature=youtu.be
MULTIMEDIA HALL	https://ncjayanagar.com/e-content/

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurredon maintenance of physical facilites
3242000	3129474	1346925	1638508

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website)

At the beginning of the academic year, a meeting of the planning board is conducted. The requirements for enhancing infrastructure facility and maintenance of the campus is chalked out in consultation with the Heads of the various departments. Each of the Heads of the Departments is required to submit the requirements related to equipment and Annual Maintenance charges. A consolidated list of the necessary measures for developing physical, academic and support facilities like labs, library, sports complex, computers, class rooms is prepared and budget allocation is done for maintenance and to provide improved facilities for the staff and students. The college has also signed up into MoU for e-waste management.

https://ncjayanagar.com/wp-content/uploads/2021/10/Procedures-and-Policies-2019-20.pdf

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	0	0	0
Financial Support from Other Sources			
a) National	General	74	411050
b)International	0	Nill	0
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Skill development program	03/08/2019	150	Sudesh,REdBus Category Manager India
Soft skill development training	03/01/2020	150	Enrologies
Skill development program	11/01/2020	150	Sudesh,REdBus Category Manager India
Opportunities in aviation and hospitality	25/01/2020	200	Fledge Institue of Aviation
Online assessment	27/01/2020	250	VEE Technologies
Opportunities in Banking Sector	30/01/2020	150	Equitus Bank
Career IT technologies	26/02/2020	100	NIIT
Online Aptitude Test Training	22/02/2020	150	NICT Computer Educatiuon Pvt. Ltd.- Jayanagar, Bangalore. Contact : 8448443327
Higher education in Canada	13/09/2019	100	Cannem
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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling	Number of students who have passedin the comp. exam	Number of studentsp placed

2019	Competitive Exams Traning Programme by JSS Academy	150	Nill	Nill	Nill
2020	Placement Training by Fledge Institute of Aviation and Hospitality	Nill	100	Nill	Nill
2020	Placement Training Programme by Gillete Company	Nill	80	Nill	Nill
[View File](#)					

5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
Nill	Nill	Nill

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
Nil	Nill	Nill	Infosys Wipro Capgemini	40	39
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2020	1	B.Sc.	Chemistry	St Joseph's College	M Sc Organic Chemistry
2020	1	BA	Arts	Mt. Carmel College	M Sc in Psychology HRDM
2020	1	BA	Arts	Jain University	M Sc in Psychology HRDM
2020	1	BA	Arts	Christ	M Sc in

2020	2	BA	Arts	Visweswara pura College of Law, Bangalore	LLB
2020	1	BA	Journalism	Christ University	MA in Media and Co mmunication
2020	1	BA	Journalism	Manipal Institute of Technology	MA in Media and Co mmunication
2020	1	BA	Journalism	St. Joseph College Hyderabad	MA Journalism in Mass Comm unication
2020	1	BA	Journalism	St. Joseph College Bangalore	MA Advertising and Public Relations
2020	1	BA	English	Christ University	MA in English

(Top partial row cells: University | Psychology HRDM)

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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
NET	2

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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Gandhi Jayanthi	College Level	125
National Youth Week	College Level	75
Comptech Fest	State Level	300
Interclass Music Competition	College Level	125
National College Inter Collegiate Music Competition	State Level	250
34th BCS Narayan Inter section Drama Competition	College Level	180
55th Annual Athletic Meet 2019-2020	College Level	925
Putchami Memorial Inter-Collegiate Basketball Tournament-2020	State Level	120

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5.3 – Student Participation and Activities

5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2020	Gold	National	1	Nill	18NCJ	Amit
2020	Gold	National	3	Nill	19NCJ	Bittu Kumar
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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

Various committees like Student Welfare Committee, Student Counselling Committee, IQAC and Sports Committee have been formed in the institution catering to the needs of the students. Student Welfare Committee endeavours to help the students' educational process to advance their academic capacities. The faculty interacts with the students to develop student-teacher relationship, assists the students in their learning process, addresses the feedback of students regarding different areas of curriculum and resolves the issues. IQAC Committee has a student representative with whom the committee interacts on regular basis regarding curricular changes to update the courses catering to the needs of the society. Grievance Redressal Committee looks into the complaints lodged by any student and is also empowered with student representative to look into the matters of harassment and resolve effectively. The college has a Sports Committee with a student secretary which aims to organise various kinds of sports to enhance students' sportsmanship and commitment and also to develop students' interest in sports and to discover their hidden talents.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

No

5.4.2 – No. of registered Alumni:

0

5.4.3 – Alumni contribution during the year (in Rupees) :

0

5.4.4 – Meetings/activities organized by Alumni Association :

Nil

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

All teaching staff are members of Governing Council. Teachers participation is found in Governing Body Meetings.

6.1.2 – Does the institution have a Management Information System (MIS)?

No

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Admission of Students	Admissions are made on the basis of government and university guidelines 2. Admission details i.e. date of issue of form, submission, fees, reservations etc are displayed on college notice board and through prospectus. 3. Cut off percentage and list of selected students is displayed on notice boards.
Industry Interaction / Collaboration	1. Industry representative is a member of BOS. 2. Industry visits by students
Human Resource Management	1. Teachers are motivated to update their knowledge by participating in various institutional events, National and International seminars and conferences, and are encouraged to publish and present papers. 2. Salaries were revised for management paid staff 3. ESI was extended to the entire staff according to the government policy.
Library, ICT and Physical Infrastructure / Instrumentation	1. The College has an excellent Air Conditioned Library with an exclusive Reference Section 2. Transaction in the library is fully computerised 3. The Digital Library UGC Network Resource Centre of the College is made functional to the faculty members and students. 4. Giving user orientation to use the library resources 5. New books journals and CD and DVD are bought every year and also when the syllabus is revised. 6. New Arrival display through signage solution 7. OPAC facilities has been provided to students and staff 8. Exclusive reading room for Boys and Girls is provided 9. Reprographic and printing services 10.Internet facilities has been provided to students and staff 11. INFLIBNET
Research and Development	1. A research lab is set up for PG Students and staff in the field of nuclear physics and recent advanced Materials. Research for glass research and technology is actively going on 2. A Research Centre is being established in the postgraduate department of Physics. The expert team from the Bangalore University visited the college for conferring research centre. 3. Faculty were made aware of the need to pursue research which resulted in

	more number applying for UGC sponsored minor research projects 4. Faculty are encouraged to take up funded minor and major projects sponsored by UGC. 5. Teachers are encouraged to attend and present research papers and publish papers in peer reviewed journals/ conference proceedings and author books on various subjects. 6. Faculty were provided financial aid for attending seminars and presenting papers.
Examination and Evaluation	1. Students and parents are informed about the continuous Internal Assessment and End Semester marks break up and evaluation methods during orientation. 2. Equal weightage is given to Continuous Internal Assessment and End Semester Exam so that learning is a continuous process 3. Evaluation is centralized and there is double evaluation for PG Programs.
Teaching and Learning	The faculty adopts various modern and innovative methods and techniques for teaching, involving the students in interactions and active participation. Teachers are encouraged to use ICT as teaching aid to make their classes more interesting and effective. For this, the college provides necessary infrastructure like PC, laptop, LCD projectors, and smart board. Guest Lectures by experts are organized by all the departments throughout the academic year. Industrial Visits are organized for the students to gain exposure to the present trends. Assignments are given and Internal Tests are conducted on regular basis to encourage students to write essays and articles to be published in the college magazine. Organizing students seminars on recent trends and developments in respective subjects help students to express their creative abilities and to learn and as well as showcase their skills.
Curriculum Development	Under the Autonomous status of the college, each department has formed the Board of Studies consisting of two subject experts, one university nominee, one Industry Representative and one alumnus representative in accordance with the guidelines of NAAC. Eminent academicians are in the Academic Council of the College and IQAC also. They have provided expert advice about the latest trends in

E-governace area	Details
Examination	1. Candidate List for the Examination 2. Generation of Admission Ticket 3. QR code generation for theory and practical examination. 4. I and II Internal Test Marks are uploaded through mobile. 5. Marking Attendance through mobile with a provision to generate and send message to the absentees automatically. 6. Uploading Final IA marks. 7. Working on the preparation of Marks Cards format with SGPA and CGPA.

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2019	Dr. Madhura	Recent Developments of Mathematics in Industrial Application	Kuvempu University	1000
2019	G. Kalpana	Recent Developments of Mathematics in Industrial Application	Kuvempu University	1000
2019	Babitha	Recent Developments of Mathematics in Industrial Application	Kuvempu University	800
2019	G. Kalpana	National Symposium on Mathematics and its Applications	Bangalore University	500
2019	Akhila P.A.	National Symposium on Mathematics and its Applications	Bangalore University	500
2019	K. Nagamani	National Symposium on Mathematics and	Bangalore University	500

2019	Babitha	National Conference on Emerging Trends in Applied Mathematics	SJB Institute of Technology	500
2019	G. Kalpana	National Conference on Emerging Trends in Applied Mathematics	SJB Institute of Technology	500
2019	Dr. Madhura	International Trends in Computational and Cognitive Engineering	Central University of Haryana	6000
2019	Babitha	International Trends in Computational and Cognitive Engineering	Central University of Haryana	3000
			[View File]	

6.3.2 – Number of professional development / administrative training programmes organized by the Colleges for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2020	Skill Development Programme	Skill Development Programme	03/01/2020	04/01/2020	57	10
			[View File]			

6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Faculty Development Programme	1	27/12/2019	28/12/2019	6
Research in Social Science using SPSS and Research Programming	1	22/08/2019	24/08/2019	6
AI and Block Chain at Edge	3	10/05/2019	10/05/2019	6

IPR for Spurring Innovation and Creativity	75	28/12/2019	28/12/2019	6
Skill Development Programme	67	03/01/2020	04/01/2020	3
Faculty Development Programme on Innovative Teaching Methods in Science and Humanities	57	07/08/2019	07/08/2019	6

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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
Nill	Nill	Nill	Nill

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
0	0	0

6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

Financial Audits are conducted every year by The National Education Society of Karnataka every year on regular basis.

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
Nil	0	Nil
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6.4.3 – Total corpus fund generated

0

6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	No	Nill	No	Nill
Administrative	No	Nill	No	Nill

6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

Nil

6.5.3 – Development programmes for support staff (at least three)

1. Skill Development Program was organised for non-teaching staff for two days.

6.5.4 – Post Accreditation initiative(s) (mention at least three)

1. An additional section for BCA 2. Three new courses BCA-IoT, BCA- Data Science and B.Sc. Bio Medical Electronics are introduced. 3. Texas Innovation Lab for the students of IoT 4. Elevator for BVJ Science Centre. 5. 14 Computers are installed in English Language Lab. 6. 15 Laptops for IoT Laboratory.

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	Yes
c)ISO certification	Nill
d)NBA or any other quality audit	Nill

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2019	Faculty Development Programme on Innovative Teaching Methods in Science and Humanities	07/08/2019	07/08/2019	07/08/2019	57
2020	Skill Development Programme	03/01/2020	04/01/2020	04/01/2020	82
2019	IPR for Spurring Innovation and Creativity	28/12/2019	28/12/2019	28/12/2019	75
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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
For A Gender Inclusive Space in collaboration with Durga Rural India Supporting Organization	29/01/2020	01/02/2020	50	75

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
A Solar Power has been installed in the campus which is being used as a renewable source of energy to generate power. Date of installation of Solar Plant: Units Produced: 2. Rain water Harvesting: The run off from the terrace of the college building is channelised into recharge wells inside the campus which cater to the water requirements of the college.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Provision for lift	Yes	4
Ramp/Rails	Yes	4
Scribes for examination	Yes	4

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2020	Nill	Nill	Nill	Nill	Nill	Nill	Nill

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7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
Nil	30/12/2020	Nil

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Academic Quality Enhancement Programme in collaboration with Disha Foundation	19/09/2019	19/09/2019	100
World Yoga Day	21/06/2019	21/06/2019	120
Independence Day	15/08/2019	15/08/2019	250
National Mathematics Day	23/12/2019	23/12/2019	100
Gandhi Jayanthi	02/10/2019	02/10/2019	100
National Youth Week	10/01/2020	17/01/2020	450
Republic Day	26/01/2020	26/01/2020	150
International Womens Day	11/03/2020	11/03/2020	400
[View File](#)			

7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1. Energy Conservation 2. Rain water Harvesting 3.Funds have been allocated every year for garden maintenance and sanitary works 4. Planting Saplings at regular intervals.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

As a part of BVJ Science Centre activities, filmshows, workshops, lectures,seminars are organized to popularize basic sciences. 2. As a part of Lalitha Kalaparishad, cultural programmes are organized on Fridays of every first and third week of the month.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

https://ncjayanagar.com/wp-content/uploads/2010/10/Best-Practices-2018-19.pdf

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

The motto of the National college reflects the laudable principle of the institution it speaks volumes about the goal of the institution that aims at creating a centre of academic excellence. The institution encourages mainly the Basic streams B.Sc BCA BA and B.Com with Gandhian principles. To provide a value based education to inculcate competitive spirit towards attainment of academic excellence.The institution has as its priority enhancing global competencies among the students. Hence the Hour of Code is a global movement reaching millions of students across 180 countries. It is conducted by code.ogr, a non profit organization dedicated to spread computer science knowledge from elementary level to professional level. This programme is supported by Mark Zuckerberg, Bill gates, Ballmer, President Obama and Multinational companies Millions of students of all ages and backgrounds have tried and Hour of code, a one hour introduction designed to demystify code to show that anybody can learn the basics, and to broaden participation in the field of computer science. The National College, Jayanagar has been a part of this Hour of Code initiative and has been conducting computer science Education Week during the month of December from 2014 onward till date.

Provide the weblink of the institution

https://ncjayanagar.com/wp-content/uploads/2021/10/Hour-of-Code.pdf

8.Future Plans of Actions for Next Academic Year

. • Entering into MoUs. • Replacement of LED bulbs with solar lights. •To organize state ,national and International level workshops and seminars • Obtaining university recognition to research centre in the Postgraduate department of Physics. • To Start more Add On courses • To further strengthen laboratories and library facilities • To organize more workshops on pedagogy. • Collaboration with international institutions and industries to be initiated. • Environment friendly Activities