Yearly Status Report - 2019-2020

Part A	
Data of the Institution	
1. Name of the Institution	**NATIONAL COLLEGE (AUTONOMOUS), TIRUCHIRAPALLI**
Name of the head of the Institution	**DR R SUNDARARAMAN**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**04312482995**
Mobile no.	**9943187019**
Registered Email	**principal@nct.ac.in**
Alternate Email	**principalrsr@nct.ac.in**
Address	**Dindigul Road, Karumandapam**
City/Town	**Tiruchirappalli**
State/UT	**Tamil Nadu**
Pincode	**620001**

2. Institutional Status

Autonomous Status (Provide date of Conformant of Autonomous Status)	**12-Mar-2010**
Type of Institution	**Co-education**
Location	**Urban**
Financial Status	**Self financed and grant-in-aid**
Name of the IQAC co-ordinator/Director	**Dr. M S Mohamed Jaabir**
Phone no/Alternate Phone no.	**04312482995**
Mobile no.	**9786425226**
Registered Email	**iqac@nct.ac.in**
Alternate Email	**mohamedjaabir@nct.ac.in**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://www.nct.ac.in/assets/img/downloads/Quality%20Assurance%20Reports/AQAR-2018-2019_NCT.pdf

4. Whether Academic Calendar prepared during the year

	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	http://www.nct.ac.in/downloads/handbook/nct-handbook-2019-2020.pdf

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
2	**A**	**3.34**	**2011**	**16-Sep-2011**	**15-Sep-2016**
3	**A+**	**3.61**	**2016**	**05-Nov-2016**	**14-Nov-2021**

6. Date of Establishment of IQAC

	23-Sep-2005

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
IQAC Meeting	13-Jul-2019 1	21
IQAC Meeting	07-Mar-2020 1	21
[View File]()		

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
Biotechnology, Botany, Physics, Chemistry and Zoology	STAR COLLEGE	DBT	2019 1825	10400000
[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)

a) Implementation of ERP for admission, academic and administrative process b) Online Faculty Development Programming c) Academic and administrative audit

[View File]()

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
It was planned with various events like Seminar, Workshops, InterCollegiate students competition, Conference, Alumni meeting etc.,	Many Conference, Seminars, Workshops were conducted
[View File](#)	

14. Whether AQAR was placed before statutory body ?	**Yes**

Name of Statutory Body	Meeting Date
College Committee	**23-Dec-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	**28-Feb-2020**

17. Does the Institution have Management Information System ?	**Yes**

If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	**It is a custom made software. It has admission, Fee, attendance and examination modules. The admission module facilitate to collect all the particulars of the students who are admitted to UG/PG/M.Phil., programmes. The admission data are used in the Library, Finance section, Hostel, CoE office and Placement Cell. The module also supports to issue TC to the students at the completion / discontinuation of the programme. The fees module facilitate to provide fees details to the students, invoice generation, unpaid list generation and to collect penalty if any. The module also supports to generate list of students and the fee to be paid to the University in the I Year. The attendance module has provision to enter attendance of all the students, to generate monthly/semesterwise report, to calculate the percentage, to prepare the list of students who are**

withheld for examination due to shortage of attendance. The Examination module has provision for the submission of online examination form, generate hall ticket, to provide examination schedule to the students, to allot rooms for the students for the written examination, online publication of results and to print semester wise / consolidated mark statements. There is a separate software for the preparation of monthly salary bill for the teaching and non teaching staff. The software also has facility for PF loan, EL Surrender, Pension calculation and all other financial aspects of the staff.

Part B

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
No Data Entered/Not Applicable !!!			

View File

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
No Data Entered/Not Applicable !!!				

View File

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
No Data Entered/Not Applicable !!!		
No file uploaded.		

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
No Data Entered/Not Applicable !!!		

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
No Data Entered/Not Applicable !!!		

View File

1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
No Data Entered/Not Applicable !!!		
View File		

1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	No
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
Feedback obtained from students is processed using standard parameters. The data are processed using MS office Excel and the outcome is communicated to all the stake holders. Feedback is collected by using Google forms in the online mode. All the students of the College are allowed to give their opinion / feedback about all those faculty who came to their respective classes in the earlier semester. The feedback is obtained on a 5 point scale, where '1' is minimum and '5' maximum score. Every student at the same time also renders his/ her opinion about the campus facilities in general on a similar 5 point scale. The responses are consolidated on excel spread sheet and produced to the faculty concerned for their own appraisal or improvement.

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
No Data Entered/Not Applicable !!!				
View File				

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	3930	435	200	60	260

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	Number of	ICT Tools and	Number of ICT	Numberof smart	E-resources and

Teachers on Roll	teachers using ICT (LMS, e-Resources)	resources available	enabled Classrooms	classrooms	techniques used
260	223	139	57	18	10
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)

YES. Under the Tutor-Ward system, a batch of students not exceeding 20 is assigned to a professor on their admission to I Year UG/PG programme. The Professor is designated as tutor and entrusted with the responsibility of mentoring the students throughout the duration of the programme. The idea is to build a good rapport between them so that Students can get personal attention and the teachers can understand the students and their requirements thoroughly. The Wards meet their Tutor individually after a common first meeting where the basic theme of the system and the role of the wards are explained. The students are assured of assistance and guidance on all matters relating to their welfare. The wards meet their Tutor at least twice in a month. Frequency of meeting is decided by the needs of the students and the Tutor adopts an open door policy. A Counselling Record Note is prepared for each student. It contains vital information about the student. His academic performance in tests, attendance and details of assignment submission are recorded in the note. The tutor gives his comments and records his suggestions. Parents/Guardians are informed of the performance and progress and their signature is obtained in the note. The Tutor makes an evaluation of the ward capabilities, skills, aspirations and aptitude. He counsels him on the steps to be taken for achieving his goals. For instance, a student who wishes to take teaching is counselled on Teacher's education, courses to be studied, requirements of job etc.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
4363	200	1:22

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
306	258	48	36	145

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
2019	R. Nataraj	Assistant Professor	Outstanding Teacher Award – National College Punch Gurugulam
2019	R. Nataraj	Assistant Professor	Best Research Scholar Award (National Level) -Indian Academic Researchers' Association
2019	Dr. M. Chandra	Assistant Professor	Best Faculty Award -Indian Academic Researcher's Association

2019	Dr. M. Chandra	Assistant Professor	Best Teacher Award – ESN Research Group
2019	Dr. K. Rajesh	Assistant Professor	Best Faculty Award - State Level - Indian Academic Research, Association, Tiruchirappalli
2019	Dr. D. Prasanna Balaji	Assistant Professor	Outstanding Commitment Contribution NSS South Zone Pre-Republic Day Parade Camp, Ministry of Youth Affairs Sports State NSS Regional Directorate, Chennai
2019	Dr. S. Senthil Kumar	Assistant Professor	Won The Best Presentation Award at The Prestigious 20th INQUA Congress held between 25th and 31st July 2019 At Dublin, Ireland

No file uploaded.

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
No Data Entered/Not Applicable !!!				

[View File]

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	1417	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)

http://www.nct.ac.in/students-cbcs.html

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students	Number of students passed	Pass Percentage

		appeared in the final year examination	in final year examination	
No Data Entered/Not Applicable !!!				
		View File		

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)

http://www.nct.ac.in/students-feedback.html

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
No Data Entered/Not Applicable !!!				
No file uploaded.				

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
No Data Entered/Not Applicable !!!				
View File				

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

No Data Entered/Not Applicable !!!

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
No Data Entered/Not Applicable !!!		
View File		

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
Best Administration Award	**Dr.P.S.S.Akil ashri**	**National College**	**08/10/2019**	**Administration**
CUBE-E-DO	**R.Arun**	**Anna**	**29/02/2020**	**Student**

	Santhana Gopalan	University		
3D technology and use of EPDHS equipment in minerals research	M.Mohamed Ibrahim Azhar	CNT Instruments LLC	31/12/2020	Student

No file uploaded.

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
No Data Entered/Not Applicable !!!					

No file uploaded.

3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Department of Tamil	2
Department of Biotechnology	1
Department of Mathematics	3
Department of Chemistry	5
Department of Commerce	3
Department of Computer Science	2
Department of Physical Education	3
Department of Physics	4
Department of Botany	6
Department of Geology	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)
No Data Entered/Not Applicable !!!			

[View File](#)

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
Tamil	1
Biotechnology and Microbiology	1
Business Administration	1
Commerce	1
Computer Science	1
Physical Education	1

No file uploaded.

3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
Morphology, Bandgap and Grain Size Tailoring in CU2O Thin Film by Modified Chemical Bath deposition Technique And Methods Employed Thereof	Published	321095	23/09/2019
No file uploaded.			

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
No Data Entered/Not Applicable !!!						
[View File](#)						

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
"Functional models for type-2 and type-3 copper oxidases: Self-assembled molecular association in [Cu(L)(Hdpa)](ClO4) determines the catalytic activity"	V. Sathya and M. Murali,	Inorganica Chimica Acta,	2019	10	Nill	Coordination and Bioinorganic Chemistry Research Laboratory, Department of Chemistry, National College (Autonomous), Tiruchirappalli 620 001, Tamil Nadu, India
Multi-objective Optimization to detect outliers with Referential	Dr.M.Anusha	International Journal of Computer Science and Engineering	2019	5	Nill	Nill

point using Evolutionary Clustering techniques						
Anticancer potential of zinc oxide nano particles against cervical carcinoma cells synthesized via biogenic route using aqueous extract of Gracilaria edulis	Dr. M. S. Mohamed Jaabir	Material Science and Engineering C	2019	7	11	Department of Biotechnology Microbiology, National College (Autonomous), Tiruchirapalli

<div align="center">No file uploaded.</div>

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	1	Nill	Nill	Nill
Presented papers	1	Nill	2	Nill
Resource persons	2	4	Nill	Nill

<div align="center">No file uploaded.</div>

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)
Dr. M. Sowriyar Duraisamy	Digital Marketing	Bahavan Car	18000
Dr. K. Kumar1	Tally with GST	Apple Millot	15000
Biotechnology and Microbiology	Nill	Nill	26000

<div align="center">No file uploaded.</div>

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
No Data Entered/Not Applicable !!!				

No file uploaded.

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
No Data Entered/Not Applicable !!!			
View File			

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
No Data Entered/Not Applicable !!!			
View File			

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
Swachh Bharat	Organized by B2 Flight in association with Nehru Yuva Kendra Sangathan	Public Place cleaning	1	25
Rotaract Club	RID 3000 (Rotary International District)	Temfo District Assembly	2	37
Rotaract Club	RID 3000 (Rotary International District)	District Region 2 Forum	2	46
Rotaract Club	RID 3000 (Rotary International District)	District Culturals	2	11
Rotaract Club	RID 3000 (Rotary International District)	VAAGAI District Conference	2	42
Rotaract Club	RID 3000 (Rotary International District)	TOPS and DOTS	2	4
SWACH PAKHWADA	NCC	Seminar on plastic waste management	1	130

| SWACH PAKHWADA | NCC | Monument cleaning | 1 | 40 |

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
M.Sc Project	K. Kaushika	Paid by the student	120
Research Collaboration	Dr. M. Kumaresavanji and Dr. K.K. Nanda, MRC, IISc, Bangalore	DST-SERB	1095
Research Collaboration	B Gowdhami R. Asik, & Dr, G. Archunan Department of Animal Science, Bharadhidasan University, Triuchirappalli, Tamil Nadu, India Mohamed Jaabir, Dept. of Biotechnology, NCT. N Suganthy Department of Nanoscience and Technology, Alagappa University, Ka	From the Collaborators	95

No file uploaded.

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
Field Trip	Educational Visit	YMCA College of Physical Education, Nandanam, Chennai	13/05/2019	15/05/2019	35
Police Academy	Sports vs Police	OFT, Trichy	25/06/2019	25/06/2019	200
Winter Internship Program	BHUVISAMVAD, GOI,GSI	GSI, SU:TN P, Chennai	18/11/2019	27/11/2019	10

Winter Internship Program	BHUVISAMVAD, GOI,GSI	GSI, SU:TNP, Chennai	24/12/2020	27/12/2020	18
No file uploaded.					

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
Bajaj Finance	15/01/2020	Certificate Course	40
VDart Tamil Kanini Association – (2019)	04/03/2020	Creating Tamil Computing Apps	50
K.S.Varier's Ashtanga Ayurvedics Pvt. Ltd., Tiruchirappalli	13/03/2020	Student Internships, Industrial training etc.	21
No file uploaded.			

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
50000000	53909650

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Seminar halls with ICT facilities	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Classrooms with Wi-Fi OR LAN	Existing
No file uploaded.	

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
NIRMAL	Fully	NIRMALS Pro 3.2.0	2010

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	103220	8812465	2203	478945	105423	9291410
Reference Books	9983	1908843	317	166108	10300	2074951
e-Books	162727	19470	Nill	Nill	162727	19470
Journals	73	165285	5	11600	78	176885
CD & Video	320	4750	Nill	Nill	320	4750
Library Automation	1	85000	Nill	Nill	1	85000
Weeding (hard & soft)	4347	655547	31	4736	4378	660283

[View File](#)

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
No Data Entered/Not Applicable !!!			
No file uploaded.			

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	405	9	15	1	0	10	20	100	2
Added	8	0	0	0	0	0	0	0	0
Total	413	9	15	1	0	10	20	100	2

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

300 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
Dr. M. Chandra	https://youtu.be/N_jBo8yDLyc
Dr. M. Chandra	https://www.youtube.com/watch?v=6sm3hJmeKSY&feature=youtu.be
Dr. M. Chandra	

	https://www.youtube.com/watch?v=gFEgobF0lWU&feature=youtu.be
Dr. M. Chandra	https://www.youtube.com/watch?v=aJZW6x9lWFA&feature=youtu.be

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
2500000	1643293	9000000	8697117

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)

The following practice is adopted for the optimal utilization of infrastructure in the campus. 1) A Timetable is arranged in such a manner that laboratories are used for various classes at different times. 2) Some of the programs are offered in the Second shift. 3) Contact classes of Part time programs are conducted on holidays and after the class hours on working days. 4) Auditorium and Seminar halls are offered for public use for education related activities at nominal charges. 5) Tiruchirappalli District Cricket Association and Fencing Association are permitted to make use of the ground daily in the morning and evening hours. 6) The college premises are made available to Tamil Nadu Public Service Commission, Indira Gandhi National Open University, Tamil Nadu Open University, State Bank of India, Karur Vysya Bank, Power Grid Corporation of India, Amrita University, TANCET, etc for the conduct of their examinations. 7) There is a Purchase Committee in the College. At the beginning of the year, Principal allocates grants to various departments for the purchase of equipment and books. The HoDs of the department in consultation with the staff members decide about the requirement of books and equipment. The department HoD call for quotation from various suppliers and prepare the comparative statement of prices quoted by suppliers. The lowest quotation is chosen. All the quotation documents are forwarded to the College office. The purchase committee scrutinizes the documents and approves them. The purchase order is sent to the supplier through the Principal's office. 8) The Principal allocates grants to the Library for the purchase of common and reference books. Librarian obtains quotations and prepares a comparative statement for the lowest quotation. The Purchase committee after verification approves it to place a purchase order. 9) The requirement of Computers and other gadgets is obtained from the departments and the college office. The purchase committee calls for a quotation and finalizes the lowest quotation. 10) The Head of the Department of Physical Education submits to the list of Sports and Games articles required for the year. He also obtains a quotation from the suppliers and prepares a comparative statement to finalize the lowest quotation and submit to the Principal office. The purchase committee approves the document

https://www.nct.ac.in/policy-maintenance.html

CRITERION V – STUDENT SUPPORT AND PROGRESSION

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	Endowment Scholarships	40	600000
Financial Support from Other Sources			
a) National	BC/MBC/SC/ST, Ph.D Merit, Ph.D-SC, Minorities, Central Sector Scholarship, Single Child Scholarship.	1243	6486533
b)International	Bhutan Government Scholarship	3	588000
[View File](#)			

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
Bridge Course	10/06/2019	25	UGC
Fitness Audit	16/12/2019	45	Core Group
Global Leader	19/07/2019	210	V Dart Technology
No file uploaded.			

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 activities	Number of students who have passedin the comp. exam	Number of studentsp placed
2019	C, C Programming classes for IT and Non-IT students	Nill	10	5	Nill
2020	Placement Training Program	Nill	700	187	Nill
2020	Barclays training given for Commerce students by GTT	Nill	20	15	Nill
2020	Best manager contest conducted by GIIMS	Nill	70	2	Nill
No file uploaded.					

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
34	1113	197	14	452	26

[View File]

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
No Data Entered/Not Applicable !!!					

[View File]

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
SET	1

No file uploaded.

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

Activity	Level	Number of Participants
Fitness Well being	District	250
International Yoga Day	District	300
National Sports Day	College	150
Coaching Camp Cricket	Inter University	200
National College Trophy	District	250
Summer Camp	District	800
IPL Fan Park	District	1500

No file uploaded.

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
No Data Entered/Not Applicable !!!						

5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

There are students representatives in IQAC. They represent the grievances not only about quality enhancement in the College but also about general amenities. Students have free access with respective head of the department. They represent grievances to HoD on academic and other matters. HoD give solution if it is within his / her purview, otherwise the matter is brought to the notice of head of the institution for redressal.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Yes. The College has Alumni association with members more than 5000. It has its annual meeting on the first Sunday of February every year. More than 600 alumni attend the meeting. Two or three alumni are awarded distinguished alumnus award during the function. Many alumni have established endowments for awarding prizes and giving scholarships to the students. Each Board of Studies in the College has representatives from the alumni of the respective subject. IQAC has representative members from the alumni. Whenever Committees like the NAAC peer team, triennial commission, UGC committee, and Autonomy, etc., visit the College, alumni members are also invited for interaction.

5.4.2 – No. of registered Alumni:

1588

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

5642089

5.4.4 – Meetings/activities organized by Alumni Association :

The annual Alumni meeting was held on 02.02.2020. More than 900 old students of the College attended the meeting. Justice Krishnan Ramasamy, Madras High Court, Sri. R. Madhavan , Executive Director , Airports Authority of India, Shri. K.Dakshinamurthi, Indian Ambassador to Sudan and Squadron Leader M. Jayakrishnan, IAF Pilot were honored with the distinguished alumnus award. The grand event provided an opportunity to nearly 900 alumni of our college to recall and relish the beautiful memories of their youth.

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)

The participatory management in the College is given in the following Two incidents. 1. The College celebrated its Graduation Day on 24th March, 2019. Dr. M. Krishnan, Vice Chancellor, Madurai Kamaraj University, Madurai, was the Chief Guest. The Principal immediately after the getting confirmation from the Chief Guest and the date, convened a meeting of a group of Staff members to explain the arrangements to be made for the function. He also formed various committees like Reception, Stage Management, Catering, printing and distribution of Invitations, Graduation Day robes etc. He entrusted the job of getting Degree Certificates from Bharathidasan University, Tiruchirappalli, with the College Office Superintendent and two non-teaching staff. He gave instructions to the estate officer for the arrangements of chairs and other

facilities in the Indoor stadium, where the Ceremony was held. Principal also explained to the group of staff members, what to do and what not to do during the Graduation Day function. The function went on well. 2. The College submitted STAR COLLEGE proposal to DBT. Immediately after deciding to submit proposal to DBT, The Principal called for a meeting of all the HoDs of Science Departments to explain about the proposal and the benefits of getting the scheme. He also nominated Dr. M.S. Mohamed Jaabir, Associate Professor of Biotechnology as Coordinator for the Programme. The HoDs were asked to provide all the necessary details as per the application format and budget for the proposal. He also fixed a cutoff date for the data submission. The HoDs in turn organized meeting of the respective staff members of the Department and asked them to provide all the necessary details and supportive documents. The HoDs nominated a staff member in each of the Departments for the collection of the data and documents. After receiving the documents from all the Departments, the Principal and the coordinator prepared the proposal and submitted to DBT, New Delhi. When the Principal was called for the oral presentation of the proposal, he and the Coordinator attended the PAMC meeting in DBT, New Delhi. When a few queries were raised by PAMC, the Principal and the coordinator gave suitable replies collecting the details. The proposal was sanctioned with a Grant support of Rs. 104 lakhs.

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

Partial

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 to various Degree Programmes offered in the College is done through Online and Offline mode Applications are published online in the College Website with all necessary features and details. For those who cannot use online mode, offline applications are sold in the College premises. Students after applying to various categories following the announcement of the eligibility level examinations (such as 2 or UG degree), Students are shortlisted based on the merit list and offered admission Admissions take place in the College Auditorium in a centralized and transparent manner where Principal and Office staff are available to complete the procedure under One roof. All the Departments in the College offering various Degree Programs are made available in the Auditorium with Two professors representing their respective departments. Students and parents can walk-in at any Department counter and discuss the prospects or get counseling. Professors in the Department counters assist the students and parents as per the needs and make the admission procedure simple and

		straight.
	Curriculum Development	The College has a policy of revamping and syllabi of all the programmes and the course content once in 2/3 years. When it was to be followed for the year 2020/2021, an academic council met and discussed the strategies. It was unanimously decided to implement Learning Outcome based Education (LOBE) Scheme from the following academic year onwards. It was also decided to organize a workshop for the staff members and to give orientation about the LOBE. The orientation programme was handled by Dr. Sethuraman, Professor in Chemistry, Gandhigram University for Women, Dindigul. The programme was highly effective and all the staff members consented to proceed for the formulation of the new syllabi under the LOBE scheme. Then the respective Board of Studies framed syllabi for both UG and PG programmes according to the LOBE scheme. The academic council had a deliberations on the syllabi of individual programmes and suggested corrections and modifications. It also approved the syllabi of all the Programmes. The New Syllabi have been implemented from the year 2020/ 2021.
	Teaching and Learning	A knowledge enhancing and motivational programme is organized exclusively for core group students every week. The top two students or voluntary students from every class are chosen to form a team called 'Core Group'. Lectures are arranged for the enrichment of the knowledge of these students from across disciplines to promote their success rate in competitive exams and other Service Commission Exams. Students are provided with an opportunity to earn more credits than the mandated number of credits. For this, students are encouraged to register for online courses like MOOC / SWAYAM. The credits earned through this mode may be reflected in the consolidated mark statement of the candidate.
	Examination and Evaluation	Objective type of questions has been introduced in the semester examinations for all the UG and PG programmes. The oral test component has been introduced for the course on "Communicative English" for all the UG students. The oral test has been introduced for the

	practical examinations of all the Science UG programmes.
Research and Development	An excellent infrastructure has been established for the researchers in the Science Department. High End analytical equipment have been located under a single roof under the facility called National College Instrumentation Facility which is appointed with a qualified and experienced Technician to help with. Research scholars and Professors from within the College and outside, make use of the facility to upgrade their level of research with this facility. Faculty are encouraged to apply for projects and schemes.
Library, ICT and Physical Infrastructure / Instrumentation	The library is housed in a modern building with ample space for convenient reading and utilization purposes. The library has an exclusive operations software called NIRMAL which is an OPAC. The library is kept open on all days from 6 am to 8 pm for the benefit of students. Books / Journals and Periodicals are regularly purchased/renewed as per the allotment of the budget available through respective schemes/grants. New books are purchased periodically by either receiving the list of necessary volumes from the Departments concerned or by organizing a Book Exhibition to facilitate the availability of new books/volumes/editions, whenever to be purchased or budget made available. Student visitors are kept track with the help of ID card scanner and the best user title is awarded to those students who make the best use of the library. This award is given in the Annual Library Day celebrations to encourage and motivate students to use the library
Human Resource Management	Faculty development programme is organized for newly recruited staff members. A number of Seminars / Conferences / Workshops are organized in various departments Faculty attend workshops to update their knowledge and skills Management encourages professors who present papers in International Conferences / Seminars by awarding cash prize/gifts.
Industry Interaction / Collaboration	MoU is signed between the College and the Industry in various areas / Departments in order to promote

	industry participation in curriculum development, knowledge sharing etc. Entrepreneurship Development Cell has been established that periodically conduct programs for staff and students to participate and update relevant skills.

6.2.2 – Implementation of e-governance in areas of operations:

E-governace area	Details
Planning and Development	The custom made MIS help us to prepare budget for academic and physical infrastructure for the next year. Grants for conducting Seminar/workshops are allocated as per the expenditure statement of the previous year. Allocation for Sports facilities is also done based on the statement of expenditure of the previous year. Pass percentage of students is calculated for the final semester examinations and measures of proposed for the improvement. Remedial coaching is offered to the students who fail in the end semester examinations.
Administration	There is a management information system that facilitates day to day administration. It facilitates the Principal to monitor the attendance of Staff and Students, to collect data of Individual students during admission, to prepare pay bill for staff members, every month,, to issue certificates like Bonafide student, T.C., Testimonials, eligibility certificate etc. Gov.t of Tamil Nadu has a portal to submit applications for scholarships to OBE / SC / ST students. The College submits application through this portal and scholarships are distributed directly to the students through the respective bank accounts.
Finance and Accounts	The College management information system has also a module on finance and accounts. It facilitates the collection of fee from students, expenditures, payments to all the suppliers. Collection of hostel / mess fee, submission of UC and SE for the Grants received from funding organizations like UGC, DST, SERB
Student Admission and Support	The College management system has a module on student admission and support. It facilitates prospective students to apply for various Degree programmes being offered in the College

	through webbased interactive programme online. List of students can be shortlisted based on merit and communicated for admission. At the time of admission, candidate particulars can be recorded and a database can be created and maintained all through the time of the study period.
Examination	There is a customized software for the all the activities in the office of the Controller of Examinations. It facilitates online submission of examination application forms, issue of hall tickets, schedule of examinations, publication of results, printing of mark statements etc. Following the publication of results, the module also helps students to express their grievances and submission of application forms for re-totaling of marks, re-evaluation of answer scripts / to obtain copy of the answer scripts (transparency) etc.

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. S. Senthil Kumar	Financial support to participate in PALSEA 2019 Workshopheld at Trinity College, Dublin, Ireland from 21st to 23rd July, 2019 and at the 20th INQUA Congress held at Dublin, Ireland from 25th to 31st July, 2019.	INQUA (International Union for Quaternary Research) and PAGES (Past Global Changes)	26730
No file uploaded.				

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	Title of the administrative training programme organised for	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)

teaching staff	non-teaching staff				
No Data Entered/Not Applicable !!!					
No file uploaded.					

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
Refresher Course	2	21/01/2020	03/02/2020	14
Stress Management (ICT Academy)	1	28/05/2019	29/05/2019	2
Moocs (MHRD)01	1	20/04/2020	06/05/2020	17
UGC-Sponsored Refresher Course in Chemistry conducted by HRDC,	1	20/09/2019	03/10/2019	14
Online Refresher Course In Chemistry For Higher Education designed and developed by National Resource Centre of MHRD through SWAYAM portal of Govt. of India.	1	01/09/2019	30/09/2019	30
Two Day Orientation Programme on Machine Learning Techniques	1	30/08/2019	31/08/2019	02
Orientation Programme	1	20/08/2019	09/09/2019	21
Orientation Programme	1	12/11/2019	02/12/2019	21
Refresher course in BioSciences (Botany)	1	11/12/2019	24/12/2019	14
No file uploaded.				

6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):			
Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
36	36	10	10

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
There is a cooperative credit society in the College. Staff are given personal loan. Staff who publish research papers are given an incentive of Rs. 2,000/ per publication. Staff who organize Seminar are honored during the last day of the semester meeting. Staff who complete 25 years of service in our college are presented with wrist watches. Staff who travel aboard to attend Conference / Seminar are given cash incentive of Rs 10,000 / each. All the staff who look after co-curricular activities as coordinator are honored during the meeting on the last day of the semester.	There is a cooperative credit society in the College. Staff are given personal loan. Staff who complete 25 years of service in the College are presented with wrist watches	Number of prizes, medals and scholarships are given to students on their performance. Remedial Coaching is organized for slow learners. Core Group classes are conducted for fast learners. 20 Sports boys and girls are given free boarding and lodging.

6.4 – Financial Management and Resource Mobilization

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

Yes. The management conducts financial audits on 30th September and 31st March every year. The office of the Joint Directorate of Collegiate Education and office of Auditor General of India audit the accounts periodically

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
No Data Entered/Not Applicable !!!		
No file uploaded.		

6.4.3 – Total corpus fund generated

No Data Entered/Not Applicable !!!

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	Yes	Staff members from other Colleges and Universities	Yes	Nill
Administrative	Yes	Joint Directorate of Collegiate Education	Yes	The stock of the Library and the departments are verified by the staff of other departments.

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

1. Salary for a few teaching staff members appointed in the vacancies caused in the aided section are met out. 2. Salary for a few non-teaching staff members are met out. 3. A few furniture are provided to the College.

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

1. Uniforms are provided on free of cost. 2. A sum of Rs. 1,000/ is given for Deepavali festival. 3. The wards of the staff are given free education in the College and in the School run by the College.

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

1. The College signed an agreement with Central Depository Services (India) Limited (CDSL) for National Academic Depository (NAD) Services on 03.01.2018. With this the soft copy of Certificates, Diploma, Degrees, Mark sheets etc., of the students of the College will be stored with CDSL. This will facilitate to access, verify and validate the records of the students at any point of time by any organizations with permission from the students. 2. A comprehensive management information system was established and improved that integrated many academic and administrative proceedings of the institution including Admission, Fees collection, Attendance, CoE etc., 3. Internet Leased line connectivity was provided across the campus in addition to the WIFI service that existed from earlier accreditation period.

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	Yes
c)ISO certification	No
d)NBA or any other quality audit	No

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
No Data Entered/Not Applicable !!!					
No file uploaded.					

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
Drug Abuse Lifestyle Modification through Ayush	25/07/2019	25/07/2019	150	250
Arivin Kulandhaigal	05/09/2020	05/09/2020	15	19

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

1. Solar water heaters have been installed both in boys and girls hostel. 2. Many CFL lamps have been replaced by LED bulbs. 3. Majority of the open to sky area is covered with greeneries. 4. Hostel mess solid waste are sent to Pig farming units.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	6
Provision for lift	Yes	6
Ramp/Rails	Yes	6
Braille Software/facilities	Yes	1
Rest Rooms	Yes	6
Scribes for examination	Yes	1
Special skill development for differently abled students	Yes	1

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
2019	1	1	30/07/2019	1	Cleaning Camp (Mekkudi)	Trichy	100
2019	1	1	14/07/2019	1	Plastic free Tamilnadu	Trichy	100
2019	1	1	02/08/2019	1	Desilting Work (Aal ampatti	Trichy	100

							Ooranai)	

No file uploaded.

7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
College Hand Book (2019-2020)	11/06/2019	Teachers should handle the subjects assigned by the Head of the Department Teachers should complete the syllabus in time. Teachers shall produce good results in the subjects handled by them and are accountable for the same. Tutor – Ward system must be effectively implemented. Teachers shall monitor the respective group of students who are attached to them. Assignment topics for each course are to be given to the students within a week of the beginning of the semester. Assignments should be written in Note Books. The Note Books are to be collected from the students in time and returned to the students after correction. Two CIA Tests are to be conducted in a semester. Answer books are to be valued and marks are to be informed to the students. Marks for the assignments, CIA Tests, Seminars if attended are to be entered in the counseling report. Teachers should be good counselors and Facilitators. They should help, guide, encourage and assist the students to ensure that the Teaching-Learning Process is effective and successful. Value based education must be their motto. Teachers should maintain decorum both inside and outside the classroom and set a good

			example to the students. Teachers should carry out other academic, co-curricular and organizational activities that may be assigned to them from time to time.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
No Data Entered/Not Applicable !!!			
[View File](#)			

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

1. Plastic usage is barred in the College canteen. 2. Degradable and non-degradable waste are segregated and given to corporation workers. 3. Rain water storage pits are connected with all the building in the College. 4. Tree plantation camp is part of the regular NSS activity. 5. e-waste are disposed through a specific vendor.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

1. Title of the Practice I TUTORWARD SYSTEM – Proven Method to Mentoring Under the tutor ward system, a batch of students, not exceeding 20 is assigned to a professor on their admission to I Year U.G/ P.G programmes. The professor is designated as a tutor and entrusted with the responsibility of mentoring the students throughout the duration of the programme. The idea is to build a good rapport between them so that boys can get personal attention and the teachers can understand the students and their requirements thoroughly. The wards meet the tutor individually after a common first meeting where the basic theme of the system and the role of the wards are explained. The students are assured of assistance and guidance on all matters relating to their welfare. The wards meet the tutor at least twice in a month. The frequency of meetings is decided by the needs of the students and the tutor adopts an open door policy. A counseling record note is prepared for each student. It contains vital information about the student. His academic performance in tests, attendance, and details of assignment submission are recorded in the note. The tutor gives his comments and records his suggestions. Parents/ guardians are informed of the performance and progress and their signature is obtained in the note. The tutor makes an evaluation of the wards capabilities, skills, aspirations, and aptitude. He counsels him on the steps to be taken for achieving his goals. For instance, a student who wishes to take to teaching is counseled on teacher education, courses to be studied, the requirement of the job, etc. 2) Title of the Practice II NCIF – Research Booster Excellence in academics teaching learning research in Science is achieved by the state-of-the-art sophisticated equipment, various workshops, and support facilities. These equipment and facilities help the faculty, research scholars and students to carry out globally competitive R D in basic and applied sciences. Since individual researchers in the science departments may not be able to generate huge research funds for the research instruments, National College established a common instrumentation facility for the use of In-house researchers and others from outside. The facility consisted of all the major exclusive high end world-class analytical equipment imported from different parts of the world – Scanning Electron Microscope (SEM) with EDS, Gas Chromatography Mass Spectrophotometry (GCMS), Atomic Absorption Spectroscopy (AAS), Fourier Transform Infra-Red Spectroscopy (FTIR), Flow Cytometer, Fluorescence

Spectroscopy, High Performance Liquid Spectrophotometer (HPLC), etc.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link
https://www.nct.ac.in/NCIF.html

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 Saa Vidyaa Yaa Vimukthayea That alone is knowledge which liberates beautifully conveys the concept of education in a simple but highly powerful form. It implies liberation from ignorance, weakness and every other malaise which eclipses the radiance of knowledge and to facilitate the blossoming of our boys and girls in full shine and splendor. Originally, the motto of the College was to liberate Indians from the clutches of colonialism. After Independence, the College has the same motto to liberate the youth of downtrodden communities from oppression, casteism, poverty and so on. This is achieved in the College by providing higher education to the students who largely come from village, agrarian communities around Tiruchirapalli. More than 90 of students of the College constitute OBC / SC / ST from rural communities.

Provide the weblink of the institution
https://www.nct.ac.in/about-the-college.html#sectionmoto

8.Future Plans of Actions for Next Academic Year

It is planned 1) To introduce Learning Outcome Based Education (LOBE) for all the UG and PG programmes. 2) To introduce Computer based Examination for Section A Questions of all the theory courses. 3) To take steps to adopt NAD for which MoU has already been signed with CSDL. 4) To construct a connecting corridor between all the block from the entrance. 5) To organize Faculty Development Programmes before the working days begin 6) To intensify Research Culture and facilitate faculty to receive more funded projects 7) To conduct Seminars / Symposiums/workshops at International level 8) To sign MoU with a Pharmaceutical industry for providing in house training for the students of Chemistry and Biotechnology.