



## Yearly Status Report - 2019-2020

### Part A

#### Data of the Institution

<b>1. Name of the Institution</b>	K.S.RANGASAMY COLLEGE OF ARTS AND SCIENCE
Name of the head of the Institution	Dr. V. Radhakrishnan
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	04288274741
Mobile no.	9894953153
Registered Email	contact@ksrcas.edu
Alternate Email	iqac@ksrcas.edu
Address	KSR kalvi nagar, Thokkavadi Po
City/Town	Tiruchengode
State/UT	Tamil Nadu
Pincode	637215

<b>2. Institutional Status</b>	
Autonomous Status (Provide date of Conformant of Autonomous Status)	08-Aug-2009
Type of Institution	Co-education
Location	Rural
Financial Status	Self financed
Name of the IQAC co-ordinator/Director	Mr. K. S. Shanmugam
Phone no/Alternate Phone no.	04288274741
Mobile no.	8825990903
Registered Email	contact@ksrcas.edu
Alternate Email	iqac@ksrcas.edu

<b>3. Website Address</b>	
Web-link of the AQAR: (Previous Academic Year)	<a href="http://ksrcas.edu/internal-quality-assurance-cell.html">http://ksrcas.edu/internal-quality-assurance-cell.html</a>
<b>4. Whether Academic Calendar prepared during the year</b>	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	<a href="http://ksrcas.edu/upload/files/iqac/acd_cal_19_20.pdf">http://ksrcas.edu/upload/files/iqac/acd_cal_19_20.pdf</a>

<b>5. Accrediation Details</b>					
Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	B	2.82	2011	27-Mar-2011	26-Mar-2016
2	B++	2.89	2016	05-Nov-2016	04-Nov-2021

<b>6. Date of Establishment of IQAC</b>	06-Jun-2011
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**7. Internal Quality Assurance System**

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by	Date & Duration	Number of participants/ beneficiaries

IQAC		
Importance of ICT enabled class rooms	10-Jan-2020 1	100
Academic and administrative audit	03-Dec-2019 1	45
E - Governance in college campus	18-Nov-2019 1	110
Green audit - A mandatory component in College	05-Nov-2019 1	50
Teaching learning methodology	14-Jun-2019 1	85
<a href="#">View File</a>		

**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
No Data Entered/Not Applicable!!!				
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**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 :**

5

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) IQAC has suggested conducting Seminars/Workshops/Conferences. 2) Feedback mechanism was atomized and feedback from the students was collected. 3) The Feedback of the teachers are evaluated and remedial actions recommended. 4) Result analysis meeting was conducted to analyze the department wise examination results and the remedial masseurs were recommended 5) ICT enhanced infrastructure was initiated to impact teaching learning process in a successful manner. 6) Conducting Academic and Administrative Audit and the results are analyzed periodically to identify the week areas and to improve them.

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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	Achievements/Outcomes
To organize conferences, seminars and workshops in all the departments	2 International Conferences, 4 National Seminars, 1 International seminar, 14 Workshop, were organized during this year
To conduct faculty development program	Faculty development programme were organized intra department faculty members
To encourage all the faculty member to use ICT for effective teaching	All the faculty members are using ICT for teaching.
To organize an orientation program for first year students	An orientation program for first year students was conducted
To recruit full time teachers to fill up the vacant positions	Full time teachers were appointed this year.
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**14. Whether AQAR was placed before statutory body ?**

Yes

Name of Statutory Body	Meeting Date
Governing Council	14-Aug-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-Jan-2020

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

Yes

If yes, give a brief description and a list of modules currently operational (maximum 500 words)

The College has a full fledged Management information system for the academic and administrative functioning of the college. The College library is also automated and the information regarding availability of books, issue

details, etc is available to the students and staff. An online public access catalogue (OPAC) is implemented to enable the students for speedy and convenient access to the library catalogue. All relevant information about the college is published on the college website and intranet for reference. KSRCAS has an updated exclusive website to display the information of the college and its current activities. Through the SMS broadcast information, parents are informed about the student marks, leave availed by them and the other activities. For online certificate verification the institution has associated with [directverify.in](http://directverify.in) and the authenticity of the certificates has been verified through this portal. The institution is registered to Gsuite for education and ecommunication. The students and faculty members are provided with an email id by the domain name [ksrcas.edu](mailto:ksrcas.edu). Through Intranet Development and Maintenance, the college disseminates information among the students and faculty members. The circular from the Principal's office is circulated through the digital mode which encourages the paperless office atmosphere. Also the course notes and question bank for the students are uploaded and the students are able to view them and utilise them. Further profile of the faculty members are also uploaded in the website to be seen by everyone. The faculty members can apply for their leave through online mode and approval of the HOD and the Principal is also done in the same manner. The Software Development Wing has developed the Attendance and Internal Management System (AIMS). Faculty members and students are given an individual Login id with password. Through this the faculty members can upload attendance for each hour continuous assessment test marks and assignment marks can also be uploaded through this by the faculty members. Through this the internal mark has been generated automatically at the end of the semester. Students are able to view their attendance, continuous assessment marks and assignment marks at any time. The student feedback is received through the internal management system.

Students can record their feedback about facilities, environment and faculty members for each and every subject. Faculty members can view their feedback report in their Intranet Login. The Software Development Wing has developed software to organize data of the students and the newly joined faculty members for the ID card management system. The applications created by the Software Development Wing are used to automate the process of generating Transfer Certificates. The attendance of the faculty members is recorded through the Biometric attendance system and the software to customize the attendance has been developed and maintained by the team. Various online tests are conducted frequently. Above all, the Mapping of the PO and CO under the outcome based education is indigenously done by the software development team. This helps to identify the attainment of the PO and CO.

## 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
Nill	REFER EXCEL SHEET	Nill	Nill
<a href="#">View File</a>			

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
Nill	REFER EXCEL SHEET	Nill	Nill	Nill
<a href="#">View File</a>				

#### 1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
Nill	NILL	Nill
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	Programme Specialization	Date of implementation of
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CBCS		CBCS/Elective Course System
BA	TAMIL	11/04/2019
BA	ENGLISH	12/04/2019
BSc	MATHEMATICS	12/04/2019
BSc	PHYSICS	12/04/2019
BSc	CHEMISTRY	11/04/2019
BSc	ELECTRONICS AND COMMUNICATION	10/04/2019
BCom	COMMERCE	12/04/2019
BCom	COMMERCE WITH COMPUTER APPLICATION	12/04/2019
BBA	BUSSINESS ADMINISTRATION	12/04/2019
BSc	COMPUTER SCIENCE	11/04/2019
BCA	COMPUTER APPLICATION	11/04/2019
BSc	MICROBIOLOGY	11/04/2019
BSc	BIOCHEMISTRY	12/04/2019
BSc	BIOTECHNOLOGY	10/04/2019
BSc	TEXTILE AND FASHION DESIGNING	14/04/2019
MA	ENGLISH	12/04/2019
MSc	MATHEMATICS	12/04/2019
MSc	PHYSICS	12/04/2019
MSc	CHEMISTRY	11/04/2019
MCom	COMMERCE	12/04/2019
MSc	COMPUTER SCIENCE	04/04/2019
MSc	MICROBIOLOGY	11/04/2019
MSc	BIOCHEMISTRY	12/04/2019
MSc	BIOTECHNOLOGY	12/04/2019
MBA	BUSSINESS ADMINISTRATION	12/04/2019

### 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
REFER EXCEL SHEET	Nil	Nil
<a href="#">View File</a>		

#### 1.3.2 – Field Projects / Internships undertaken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
Nil	REFER EXCEL SHEET	Nil
<a href="#">View File</a>		

## 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 main motto of collecting feedback from the stakeholders is to depict clearly that the college gives importance to the stakeholders suggestion in framing the syllabus. The college frames the syllabus in the curriculum based on the feedback collected from the stakeholders every year viz., Students, Parents, Teachers, Alumni and Employer. In the year 2019-2020, to get the opinion from the stakeholders about the existing syllabus, feedback was collected and analyzed by using the 5 point rating scale. The maximum score is 5 and the minimum score is 1, where 5 indicates strongly agree, 4 indicates agree, 3 indicates neither agree nor disagree, 2 indicates disagree and 1 indicates strongly disagree. From the stakeholders, totally 503 feedback was collected among which 297 feedback was collected from the students, 60 forms from teachers, 66 forms from alumni, 60 from parents and 20 from employer. The department wise feedback collected is then scrutinized by the feedback committee, constituting of Principal, IQAC co-ordinator, two senior experts from the department and two member co-ordinator from the department. The feedback process comprises of distributing the feedback form to all the departments. On the date scheduled, the feedback form is collected and submitted to the Head of the Department. The HoD then submits the feedback forms to the feedback committee for review. The feedback review meetings is conducted and after scrutinizing the feedback the report is send to the concerned HoD's for further amendment in the syllabus. The changes in the syllabus are then carried out in the Board of Studies as per the stakeholders suggestions. The collected feedback is analysed by using statistical tools to find out the stakeholders opinion on the factors. Consolidated report from the feedback is prepared by considering the five point scale. The overall result is interpreted in a nutshell to give a clear idea to all the stakeholders. Pictorial representation is made in the form of Pie-Chart. The overall collected feedback revealed that 81 of the parents are highly satisfied with the availability of quality teaching in the curriculum, 90 of the students showed their strongly agreeability on continuous assessment system which is very much effective in monitoring the students performance. As per the analysis on teachers, 82 of the teachers opines that the syllabus is need based and updated so as to meet the challenges in the society. Alumni are highly satisfied as their consent is taken while framing the syllabus. Employer analysis showed that the students possess the quality of team management. Overall analysis has proved that the curriculum has contributed to the growth of the student's community. Based on the feedback the department made necessary changes in the syllabus and got approved in the Board of Studies. Content which do not come under the purview of academic focus is not considered for syllabus formation. The Report of the Feed Back Review Committee was discussed in the IQAC meeting and Governing Council meeting and the report of the Feedback review Committee was approved after elaborate discussion.

## 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
Nil	REFER EXCEL SHEET	Nil	Nil	Nil

[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	4154	507	148	17	52

## 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	Number of smart classrooms	E-resources and techniques used
217	217	5	71	1	13

[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)

The K S Rangasamy College of Arts and Science (Autonomous) has been implementing the Mentor – Mentee system with an objective to bridge the gap between the teachers and students. It aims at guiding students on both academic as well as personal aspects. Every year, when the new students arrive to the college he/ she is allotted with a Mentor. Unlike class advisor, the mentor continues to serve the mentee for the entire three years of study. The personal details, the academic record and the details of every interaction are recorded in the forms of the respective student. The primary role of the mentor is counselling and guiding the students in the appropriate manner based on the need. However students usually approach the mentor for the following reasons: 1) Study purpose, 2) Attendance purpose (poor attendance, long leave etc), 3) Behaviour regarding and 4) Any other personal reason which require guidance. The Mentor – Mentee system gives fruitful outcome when the relationship between mentor and mentee is a close and supportive one, inspiring mentor to give their best and inspiring them to make a difference in the future of the mentee. The mentors also conduct periodical meetings (one to one meeting) with their students or the meet based on the need. All the teachers act as mentors and the total students of the respective programmes are divided among them as mentee. During the academic year 2019 – 2020, total number of students enrolled under mentor system is 4661 with totally 7616 interactions with 217 mentors. Among them 5745 interactions are for the purpose of study, 877 are related with attendance, 699 are related to solve the problems emerged due to the behaviour of the students and 435 are related to seek counselling for their personal problems.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
4661	217	1 : 21

## 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
217	161	Nil	56	41

#### 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	Dr. G.Saravanan	Assistant Professor	ICMR-Senior Research Fellowship
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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
Nil	REFER EXCEL SHEET	Nil	Nil	Nil
<a href="#">View File</a>				

##### 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
Nil	4457	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://ksrcas.edu/upload/files/naac/cr1/cr1\\_1\\_1/ps0/c1\\_co\\_po\\_pso\\_map.html](https://ksrcas.edu/upload/files/naac/cr1/cr1_1_1/ps0/c1_co_po_pso_map.html)

##### 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
Nil	Nil	REFER EXCEL SHEET	Nil	Nil	Nil
<a href="#">View File</a>					

#### 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://ksrcas.edu/upload/files/naac/cr1/cr1\\_1\\_1/ps0/feedback.html](https://ksrcas.edu/upload/files/naac/cr1/cr1_1_1/ps0/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

Yes

Name of the teacher getting seed money

Dr.A.Kathirvel

[View File](#)

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
Nil	Nil	Nil	Nil	Nil
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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
Students Research Projects (Other than compulsory by the University)	180	TNSCST	7500	7500
<a href="#">View File</a>				

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

1

#### 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
One day International workshop on Recent Trends and Research English Language Teaching and NET/SLET	Department of Physics	21/08/2019
One day National workshop on Dexterity of Doodles and thesis writing	Department of English	19/12/2019

International Workshop on Linear Algebra And Analysis	Department of Mathematics	16/08/2019
Webinar on Advances in Materials Science Research - 2020	Department of Physics	30/05/2020
Workshop on Network and IoT	Department of Computer Science PG	17/08/2019
National level seminar on Machine Learning in Robotics	Department of Computer Science UG	30/08/2019
Two Days National Level Workshop on A Designing Platform for the Transformation of Biomolecules to Drug	Department of Microbiology	30/01/2020
<a href="#">View File</a>		

### 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	Nil	Nil
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
Nil	Nil	Nil	Nil	Nil	Nil
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
NILL	Nil

### 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)
International	Department of Biotechnology	5	2.66
International	Department of Biochemistry	3	3.49
International	Department of Physics	7	2.84
International	Department of Chemistry	1	4.01
International	Department of Electronics and Communication	1	1.3
International	Department of	1	0

	Computer Science -PG		
International	Department of English	1	0.15
International	Department of Commerce	1	5.7
International	Department of Commerce CA	16	3.64
International	Department of Management	2	6.25
<a href="#">View File</a>			

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
Department of Biotechnology	2
Department of Biochemistry	1
Department of Commerce CA	3
<a href="#">View File</a>	

3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
NILL	Null	Null	Null
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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
Structural, optical and photocatalytic properties of zinc oxide nanoparticles obtained by simple plant extract mediated synthesis	J. Durai murugan, G. Suresh Kumar, P. Maadeswaran, S. Shanavas, P. M. Anbarasan, V. Vasudevan,	Journal of Materials Science: Materials in Electronics	2019	13	Department of Physics, K.S. Rangasamy College of Arts and Science (Autonomous), Tiruchengode 637 215, Tamil Nadu, India	13
Repurposing of antidepressant drug sertraline for antimicrobial activity	D. Muthu, M. Gowri, G. Suresh Kumar, V.S.	New Journal of Chemistry	2019	5	Department of Physics, K.S. Rangasamy	5

<p>icrobial activity against Staphylococcus aureus: A potential approach for the treatment of osteomyelitis</p>	<p>Kattimani, E.K. Girija</p>				<p>College of Arts and Science (Autonomous), Tiruchengode 637 215, Tamil Nadu, India</p>	
<p>Ascorbic acid-assisted microwave synthesis of mesoporous Ag-doped hydroxyapatite nanorods from bio-waste Seashells for implant applications</p>	<p>G. Karunakaran, E. Cho, G. Suresh Kumar, E. Kolesnikov, G. Janarthanan, M.P. Mamatha, R. Selvakumar, S. Boobalan, M.V. Gorshenkov, D.V Kuznetsov</p>	<p>ACS Applied Bio Materials</p>	<p>2019</p>	<p>18</p>	<p>Department of Physics, K.S. Rangasamy College of Arts and Science (Autonomous), Tiruchengode 637 215, Tamil Nadu, India</p>	<p>15</p>
<p>Microwave-assisted hydrothermal synthesis of mesoporous carbonated hydroxyapatite with tunable nanoscale characteristics for biomedical applications</p>	<p>G. Karunakaran, G. Suresh Kumar, E. Cho, Y. Sunwoo, E. Kolesnikov, and D. Kuznetsov,</p>	<p>Ceramics International</p>	<p>2019</p>	<p>22</p>	<p>Department of Physics, K.S. Rangasamy College of Arts and Science (Autonomous), Tiruchengode, Tamil Nadu, India.</p>	<p>20</p>
<p>Second Language Acquisition Through Task Based Language Teaching</p>	<p>Dr. V.Radhakrishnan</p>	<p>International Journal of Recent Technology and Engineering</p>	<p>2019</p>	<p>0</p>	<p>K.S. Rangasamy Arts and Science College, Tiruchengode</p>	<p>Nil</p>
<p>GCMS chemoprofiling of antibiotics</p>	<p>Aarthi M, Nandhini</p>	<p>Plant Archives</p>	<p>2020</p>	<p>0</p>	<p>Department of Biotech</p>	<p>Nil</p>

<p>acterial proficient actinomycetes from mangrove sediments of Coromandel coastline, Pichavaram , Tamilnadu state, South India</p>	<p>L. Gunasekaran, Kamalanathan, Gurusamy , Palanisamy K and Balakrishnan V</p>				<p>nology, K.S. Rangasamy College of Arts and Science (Autonomous) , Tiruchengode, Tamil Nadu, India.</p>	
<p>Isolation of actinomycetes from the sediments of Pichavaram mangrove forest, South India and analysing their antibacterial efficacy</p>	<p>Aarthi, M., Kamalanathan, D., Balakrishnan, V.</p>	<p>AJPCR (Asian J Pharm Clin Res)</p>	<p>2020</p>	<p>0</p>	<p>Department of Biotechnology, K.S. Rangasamy College of Arts and Science (Autonomous) , Tiruchengode, Tamil Nadu, India.</p>	<p>Nil</p>
<p>Ecofriendly synthesis of ZnO nanorods using Cycas pschannae plant extract with excellent photocatalytic, antioxidant, and anticancer nanomedicine for lung cancer treatment</p>	<p>Sudha, K. G., Ali, S., Karunakaran, G., Kowsalya, M., Kolesnikov, E., Rajeshkumar, M. P.</p>	<p>Applied Organometallic Chemistry</p>	<p>2020</p>	<p>8</p>	<p>Department of Biotechnology, K.S. Rangasamy College of Arts and Science (Autonomous) , Tiruchengode-637215, Tamil Nadu, India</p>	<p>5</p>
<p>Mesoporous Mg-doped hydroxyapatite</p>	<p>Karunakaran, G., Cho, E. B., Kumar,</p>	<p>Ceramics International</p>	<p>2020</p>	<p>3</p>	<p>Department of Biotechnology,</p>	<p>3</p>

ite nanorods prepared from bio-waste blue mussel shells for implant applications .	G. S., Kol esnikov, E., Janart hanan, G., Pillai, M. M., Rajendran, S., Boobalan, S., Sudha K. G., Raj eshkumar, M. P.				K.S. Rangasamy College of Arts and Science (A utoonomous) , Tiruchen gode, 637 215, Tamil Nadu, India	
Tailoring enhanced production of aervine in Aerva lanata (L.) Juss. Ex Schult by Agrobac terium rhi zogenes- mediated hairy root cultures	S. Boobalan, D. Kamalan athan	Industrial Crops and Products	2020	3	Department of Biotech nology, K.S. Rangasamy College of Arts and Science (A utoonomous) , Namakkal, Tiruchengo de, Tamil Nadu, 637215, India	3

[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
Tailoring enhanced production of aervine in Aerva lanata (L.) Juss. Ex Schult by Agrobac terium rhi zogenes- mediated hairy root cultures	S. Boobalan, D. Kamalan athan	Industrial Crops and Products	2020	Null	3	Department of Biotech nology, K.S. Rangasamy College of Arts and Science (A utoonomous) , Namakkal, Tiruchengo de, Tamil Nadu, 637215, India
Mesoporous	Karunaka ran, G.,	Ceramics Internatio	2020	Null	3	Department



Mg-doped hydroxyapatite nanorods prepared from bio-waste blue mussel shells for implant applications	Cho, E. B., Kumar, G. S., Kolesnikov, E., Janarthanan, G., Pillai, M. M., Rajendran, S., Boobalan, S., Sudha K. G., Rajeshkumar, M. P.	nal				of Biotechnology, K.S. Rangasamy College of Arts and Science (Autonomous), Tiruchengode, 637215, Tamil Nadu, India
Eco-friendly synthesis of ZnO nanorods using Cycas pschannae plant extract with excellent photocatalytic, antioxidant, and anticancer nanomedicine for lung cancer treatment	Sudha, K. G., Ali, S., Karunakaran, G., Kowsalya, M., Kolesnikov, E., Rajeshkumar, M. P.	Applied Organometallic Chemistry	2020	Nill	5	Department of Biotechnology, K.S. Rangasamy College of Arts and Science (Autonomous), Tiruchengode-637215, Tamil Nadu, India
Isolation of actinomycetes from the sediments of Pichavaram mangrove forest, South India and analysing their antibacterial efficacy	Aarthi, M., Kamalanathan, D., Balakrishnan, V.	AJPCR (Asian J Pharm Clin Res)	2020	Nill	Nill	Department of Biotechnology, K.S. Rangasamy College of Arts and Science (Autonomous), Tiruchengode, Tamil Nadu, India.
GCMS chemoprofiling of antibacterial	Aarthi M, Nandhini L. Gunasek	Plant Archives	2020	Nill	Nill	Department of Biotechnology,

proficient actinomyces from mangrove sediments of Coromandel coastline, Pichavaram, Tamilnadu state, South India	aran, Kama lanathan, Gurusamy, Palanisamy K and Bala krishnan V					K.S. Rangasamy College of Arts and Science (Autonomous), Tiruchengode, Tamil Nadu, India.
Second Language Acquisition Through Task Based Language Teaching	Dr. V.Radhakrishnan	International Journal of Recent Technology and Engineering	2019	Nil	Nil	K.S. Rangasamy Arts and Science College, Tiruchengodu
Microwave-assisted hydrothermal synthesis of mesoporous carbonated hydroxyapatite with tunable nanoscale characteristics for biomedical applications	G. Karunakaran, G. Suresh Kumar, E. Cho, Y. Sunwoo, E. Kolesnikov, and D. Kuznetsov,	Ceramics International	2019	Nil	20	Department of Physics, K.S. Rangasamy College of Arts and Science (Autonomous), Tiruchengode, Tamil Nadu, India.
Ascorbic acid-assisted microwave synthesis of mesoporous Ag-doped hydroxyapatite nanorods from bio-waste Seashells for implant applications	G. Karunakaran, E. Cho, G. Suresh Kumar, E. Kolesnikov, G. Janarthanan, M.P. Mamatha, R. Selvakumar, S. Boobalan, M.V. Gorshenkov, D.V Kuznetsov	ACS Applied Bio Materials	2019	Nil	15	Department of Physics, K.S. Rangasamy College of Arts and Science (Autonomous), Tiruchengode 637 215, Tamil Nadu, India
Repurpos	D.	New	2019	Nil	5	

ing of antidepressio n drug sertraline for antimicrob ial activity against Staphylococ cus aureus: A potential approach for the treatment of osteomy elitis	Muthu, M. Gowri, G. Suresh Kumar, V.S. Kattimani, E.K. Girija	Journal of Chemistry				Department of Physics, K.S. Rangasamy College of Arts and Science (A utonomous) , Tiruchen gode 637 215, Tamil Nadu, India
Structur al, optical and photoco nductive properties of zinc oxide nano particles obtained by simple plant extract mediated synthesis	J. Durai murugan, G. Suresh Kumar, P. Maadeswara n, S. Shanavas, P. M. Anbarasan, V. Vasudevan	Journal of Materials Science: Materials in Electro nics	2019	Nil	13	Department of Physics, K.S. Rangasamy College of Arts and Science (A utonomous) , Tiruchen gode 637 215, Tamil Nadu, India
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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/Semi nars/Workshops	Nil	5	11	5
Presented papers	9	Nil	Nil	Nil
Resource persons	Nil	Nil	Nil	Nil
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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)
Department of Mathematics	Data Analyze	P. Dheeban Shankar, Assistant Professor, Department of Biotechnology, Nandha Arts and	4000

		Science College. Erode.	
Department of Commerce (CA)	Staff Training	SRC Traders	11900
Department of Commerce (CA)	SPSS Analysis	Aryaa Infostat Technology	5000
Department of Biotechnology	M.Sc., Student Project from Department of Biotechnology Nandha Arts and Science College Erode	Mr.P. Dheeban Shankar, Assistant professor Department of Biotechnology Nandha Arts and Science College Erode	4900
Department of Biotechnology	M.Sc., Student Project from Department of Biotechnology Nandha Arts and Science College Erode	Mr.P. Dheeban Shankar, Assistant professor, Department of Biotechnology, Nandha Arts and Science College Erode	4500

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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	Nil	Nil

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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
Pledge and Speech for Covid - 19 Awareness	K.S. Rangasamy College of Arts and Science (Autonomous)	2	50
Rally for World Cancer Day	K.S. Rangasamy College of Arts and Science (Autonomous) Datri Blood Stem Cell Donors Rewgistry, Chennai	3	150
Election Awareness Rally	K.S. Rangasamy College of Arts and Science (Autonomous)	2	50

Inspection for Dengue Awareness	K.S. Rangasamy College of Arts and Science (Autonomous) Govt. Health Department, Tiruchengode	3	150
Pledge for Youth Awakening Day	K.S. Rangasamy College of Arts and Science (Autonomous)	2	100
Dr.A.P.J.Abdul kalam Memorial Day	K.S. Rangasamy College of Arts and Science (Autonomous)	2	80
Rally for Income Tax Day at Tiruchengode	K.S. Rangasamy College of Arts and Science (Autonomous) Income Tax Department, Tiruchengode Branch	2	50
Pledge and Tree plantation for World Population Day	K.S. Rangasamy College of Arts and Science (Autonomous)	4	200
National Yoga Day	K.S. Rangasamy College of Arts and Science (Autonomous)	3	150
Blood Donation Camp	K.S. Rangasamy College of Arts and Science (Autonomous) Tamilnadu Volunteers Blood Bank, Erode	2	50
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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	Nil
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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 activities	Number of students participated in such activities
Unnat Bharat Abhiyan, India	K.S. Rangasamy College of Arts and Science	Distribution of Cottons Bags to adapted Villages	1	50

(Autonomous)

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### 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
Biochemical instrumentation hands on training academic projects	1. Engaged in Research, Skill Development, and Industry Specific outcome based Training. 2. Related Services of Employability Skills Development and related fields	GRD Bio Clinical Research, 4/290F, Agaram Vaniga Valagam, Muthukalipatti, Rasipuram, Near to SRV Boys School, Namakkal, India	08/01/2020	29/10/2021	Department of Biochemistry Students
Student Project	PG Project	AWE CARE Analytical Research Laboratory, Plot No.: 22, Agri Nagar, Near Geethanjali School, Thindal, Erode 638012, TamilNadu, India	19/09/2019	29/10/2021	Students from Microbiology Department
Research Collaboration	Research Proposal and patent Filling	Vinayaka Missions Kirupananda Variyar Arts and Science College	03/07/2019	29/10/2021	Students from Computer Science PG Department

Job Training	Job Training	RaMax Academy, Karur	06/06/2019	29/10/2021	Department of BCA Students
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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
RaMax Academy	06/06/2019	Job Training	40
Vinayaka Missions Kirupananda Variyar Arts and Science College	03/07/2019	Research Collaboration	1
TEXVALLEY	12/08/2019	Co-Operation and Collaboration leading to better academic excellence improving the knowledge skills of students executing large learning initiatives and helping the cluster through Texvalley	37
AWE CARE Analytical Research Laboratory, Plot No.: 22, Agri Nagar, Near Geethanjali School, Thindal, Erode 638012, TamilNadu, India	19/09/2019	Final year PG students Project	10
GRD Bio Clinical Research, 4/290F, Agaram Vaniga Valagam, Muthukalipatti, Rasipuram, Near to SRV Boys School, Namakkal, India	08/01/2020	1. Engaged in Research, Skill Development, and Industry Specific outcome based Training. 2. Related Services of Employability Skills Development and related fields	2
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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
2420000	2237248

#### 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	Newly Added
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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
NIRMALS Pro	Fully	2.0	2009

##### 4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	30230	4279518	650	280692	30880	4560210
Reference Books	4391	2240471	Nill	Nill	4391	2240471
Journals	155	209209	12	28000	167	237209
e-Journals	1	5900	Nill	Nill	1	5900
CD & Video	2903	420935	Nill	Nill	2903	420935
Digital Database	1	13570	Nill	Nill	1	13570
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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	Nill
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	734	9	20	3	1	6	77	20	0
Added	0	0	20	0	0	0	0	20	0
Total	734	9	40	3	1	6	77	40	0

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

40 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
NIL	Nil

### 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 incurred on maintenance of physical facilities
815000	768148	1590000	1465164

#### 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 college has maintenance committee that oversees the maintenance of buildings, classrooms, library and laboratories. The maintenance committee is efficiently organizes the workforce for maintaining physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms, etc. in periodical manner. The maintenance team of the college conducts periodic checks to ensure the efficiency / working condition of the infrastructure. Estate officer and his team are involved in the maintenance of infrastructure facilities. This team looks after the regular maintenance of civil works such as furniture repairs, masonry and plaster works, painting, carpentry, plumbing and housekeeping. The non-teaching staffs are also trained in maintenance of science and computer equipment. Besides, the respective block in-charges are requested to report about the progress of the workers look after the maintenance of rest rooms, approach roads and neatness of the entire premises. Housekeeping services are regularly executed and monitored. The calibration and servicing of equipments are done by the institution as and when the need arises through suppliers and service personnel periodically. The institution has implemented rain water harvesting for water conservation and utilization Procedure for Library: The procedure is established to ensure that all Library resources are available and controlled. The Library Advisory Committee prepares plans for the development of the library as per the needs of the stake holders. The library of the Institution is using bar coding system for issuing and returning of the books, and library management software is used for smooth functioning of the process. All books are classified using DDC

(Dewey decimal classification) Books are shelved as per classification numbers in respective racks and shelves, The library functions on all working days. Library provides Remote Access Facility to Faculty Members, Research Scholars and Students to access Digital Library Resources through user name and password provided by the Library. Registered members can access the resources 24/7 anywhere. Procedure for Sports: The procedure is established to ensure that all Sports and Games Materials are available and controlled The sports committee reviews the progress on development, maintenance and optimal utilization of sports infrastructure The college sports infrastructure is also used for conducting various university, District and Zonal level sports meets apart from the regular sports activities Sports Students utilize the sports materials available in the Physical Education Department as per the norms The sports grounds are well maintained using adequate equipment to keep the field at all time and high.

<http://ksrcas.edu/>

## 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	Institutional Fee Concession Schemes	407	4404495
Financial Support from Other Sources			
a) National	SC/ST Scholarship	72	556460
b) International	Nil	Nil	Nil
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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 implementation	Number of students enrolled	Agencies involved
REFER EXCEL SHEET	Nil	Nil	Nil
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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 activities	Number of students who have passed in the comp. exam	Number of students placed
Nil	REFER EXCEL SHEET	Nil	Nil	Nil	Nil
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#### 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

102

102

10

**5.2 – Student Progression**

## 5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
REFER EXCEL SHEET	Nil	Nil	Nil	Nil	Nil
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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	Department graduated from	Name of institution joined	Name of programme admitted to
Nil	Nil	Nil	REFER EXCEL SHEET	Nil	Nil
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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	1
Any Other	1
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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
REFER EXCEL SHEET	Nil	Nil
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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/ International	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	Participation (NCC)	National	Nil	1	17UEN040	Prasanth R
2019	First Place	National	Nil	1	18PBC005, 19PBC015	Gnanaselvin Santho shraja. J, Poovarasana .M
Nil	Bronze	National	1	Nil	19PPH008	Karthick S
Nil	Third	National	Nil	1	--	KSRJFC

Place

Team

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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)

The Institute encourages the participation of student representatives in various decisions making, academic and administrative committees, this enables them in acquiring a better academic environment. Each class has student representatives to represent their opinions and suggestions. Student opinions and suggestions are considered to take measures in view of students perceptions. Institute puts efforts into the development of a student by involving them in various academic committees/cells. The college encourage the students to involve in organising the co-curricular, extra-curricular, sports, and social events. Participative management of students of KSRCAS is enhanced by the organization of co-curricular and extracurricular activities through various academic and administrative bodies of the Institution. The Following committees have student representatives 1. Department Association 2. Class Committee Meeting 3. Grievance Appeal Committee: 4. IQAC 5. Anti-Ragging Committee Department Association: Most of the department has its own department association with students as representatives (student co-ordinator). They promote and encourage the team spirit and leadership of students in organizing intradepartmental and interdepartmental co-curricular and extracurricular activities. Internal Quality Assurance Cell (IQAC): Student representatives are nominated for this cell, who participate in the decisions regarding the quality initiatives of the institute. Anti-Ragging Committee: In our Institute, Anti-ragging Committee is functioning well by the participative management of students and staff members as members of the Committee Class Committee Meeting: Each UG / PG class has a committee to review the academic activities, progress, and improvement plans of all subjects of all semesters. The committee consists of HOD, as Chairperson, and four students representatives. The committee will discuss the academic-related issues including conduction of classes, syllabus coverage, question paper pattern, and students grievances. Grievance Appeal Committee: In our Institute, Grievance Redressal Committee is functioning well by the participative management of students and staff members as members of the Committee.

#### 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The institute has an active Alumni association in which every alumnus is enrolled as a member in every year. The Alumni Association acts as a channel for building a connection between the institutes alumni, faculty, and students. Further, each alumnus made a financial contribution of 500 rupees, which was used to provide scholarships under the Institutional Scholarship Scheme. When alumni visit the campus, they inspire students to continue on their intended careers for the betterment of the future. Alumni meetings are also held regularly at the department level. During the interaction, alumni highlighted current developments in their respective disciplines and advised students on employment options in their respective fields. They have also shared their personal experiences with students.

5.4.2 – No. of registered Alumni:

1591

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

795500

5.4.4 – Meetings/activities organized by Alumni Association :

14 alumni meet (Alumni meetings were held at the department level)

## 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)

**Academic Committees:** Academic responsibilities are fairly classified among the staff members. Committees are appointed for the academic and co-curricular activities every year. The list of committees is displayed at the beginning of the year. This ensures transparency in academic policy execution. The responsibilities are fixed among the faculty members through regular staff meetings. Various co-curricular and extra-curricular activities are conducted through class representatives and mentors. The Principal conducts meetings frequently with staff/students to arrive at possible solutions to the hectic problems. This actually aims at maximizing the administration with best co-operation, co-ordination and participation. **Board of Studies:** The institution developed its system in providing a restricted autonomy to the operations and academic activities. The academic activities are carried and monitored under the supervision of the principal. The examination system is monitored and controlled by the controller of examination and such other academic and operational activity has its own autonomy and decentralized. The Board of Studies comprises of all the head of the department where they carry out the following activities: a. Syllabus revision and assessment changes b. Inculcating of the best practices in academics in terms of teaching and learning process. c. Amendments or approval of any changes in the curriculum d. Inculcating of OBE into the curriculum e. Students' academic activities and their progression discussion. These are some of the key areas where the Board of Studies has autonomy to make amendments and changes. The BOS is chaired by the Head of the department where, full autonomy is given to the faculty members to make changes in the curriculum.

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

Yes

### 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
Curriculum Development	All the courses in the college Under graduate and Post graduate level are in semester pattern. The college follows systematically all the syllabi designed by Periyar University, Salem. It also makes changes as per the notifications received periodically. The Career Competency Skills, Value Added Courses are designed by the respective departments which are approved by the BOS. For skilled based courses the syllabus is designed by the board of studies members in charge of it. New courses and changes in syllabus are implemented in every academic year depending on the recommendations of Industrial and Academic Experts,

	members of BOS.
Teaching and Learning	Teaching Learning activities are very systematically conducted as per the academic calendar prepared by the IQAC. In the beginning of the semester, every department prepares its academic calendar of teaching learning and co-curricular activities. Every faculty prepares individual semester wise work plan for each allotted subjects and work accordingly. IQAC of the college continuously motivate teachers to use ICT tools and innovative teaching learning methods. An effective monitoring system has been introduced by the institution with establishing several committees like, Academic Audit, Log Book Verification, Grievance Appeal, Curriculum Development, Workload Committees, etc., to ensure quality and productivity of the academic work.
Examination and Evaluation	The Continuous evaluation process is carried out for internal assessment of the student. All the departments conduct three continuous assessment tests, Objective tests and the result is communicated to the students. End semester examinations are conducted to the students following with the rules and regulations of Periyar university. Whenever necessity arises, the Parent-Teacher interactions are conducted to discuss the progress of the students.
Research and Development	The College has a Research and development Committee and it stimulates research activities for faculty and students. The committee encourages faculty member to apply for Minor and Major Research Projects to funding agencies like UGC, DST etc. Faculty members are motivated and facilitated to attend National and International level conferences, symposiums and workshops. We recognize their publications in journals of international repute. The College also organizes various National level Conferences and Workshops to promote research activities annually.
Library, ICT and Physical Infrastructure / Instrumentation	We have a central library and departmental libraries as well. The central library has 30880 books, and 25860 titles. Every faculty member has an account to access and download enormous number of e-journals and e-

books available in DELNET and INFLIBNET, Gujarat. Library has software like OPAC. It has access to various online journals and publications. We have various journals' subscription in hard copy too. The Library has a separate Research and Reading room for the research Scholars. A multimedia language lab, computer labs and science labs provide opportunities for hands-on training.

Human Resource Management

The staff members are encouraged to attend various Orientation and Short Term Programmes to enhance the academic environment. Financial assistance and On Duty is given to all faculty members to attend Conferences, Workshops and symposium. Other Staff welfare schemes such as 15 days' CL per year, 10 OD's per year, summer and winter vacation are granted as per the university norms. The work and responsibilities are equally distributed among all the staffs to manage human resource effectively. Orientation and training programmes are periodically organized for newly appointed staff members. To enhance capacities of Teaching/Non-teaching staffs, need-based training/workshops are organized by institution.

Industry Interaction / Collaboration

For bridging the gap between classroom and workplace, students participated in various off campus placement drives. Various guest lecturers were organized to inculcate employability skills and awareness amongst students. And also Industrial visits, lectures by industry experts and domain experts are regularly conducted.

Admission of Students

The admission procedure is planned and executed in the meetings of Admission Committee and monitored by the Principal. Admissions forms were filled as per the directions from the University. The MIS system, Intranet is installed and utilized for the smooth execution of admission and for keeping the detail record of every student. The admission committee counsels student about entire process of admissions. University and State Government rules are followed in giving admissions.

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

E-governance area

Details

<p>Planning and Development</p>	<p>Effective Leadership is a key, not only to achieve the Vision, Mission and Goals of the Institution but also in building the organizational Structure through the Decision Making Process. The Planning and Development Activities are formulated through the Decision Making Process. There is a Systematic Mechanism of e-governance, operated with respect to Planning and Developmental Activities of the Institution. The information about the Admissions, Facilities available in the institution, Academic Calendar, Details of Examination, Co-curricular and Extracurricular activities are managed through e-governance.</p>
<p>Administration</p>	<p>The College has MIS software, Intranet in the office for administrative purposes to minimize the paper work. All online and computerized working is in place to ensure the transparency. Forms of scholarships like GOI and others, in the social welfare department are filled online. The updating of information every year to AISHE is also done electronically. The Institution has a system of CC TV Camera to aid Vigilance Activity and to carry out Smooth administration.</p>
<p>Finance and Accounts</p>	<p>The Institution has well established procedures for maintaining Financial Transactions and it has Developed Strategies for mobilizing financial resources and ensures transparency in finance of the Institution. All the Financial Transactions of Institution are subjected to Internal and External Audit. They are made through e-governance, namely Salary of Staff, Free Ships, Scholarships, Payments etc.</p>
<p>Student Admission and Support</p>	<p>The Institution Brochure is designed with Course details, Recruiters detail, the enhanced features introduced by the college in all the aspects and uploaded in the website. Students are admitted according to the government norms on the past academic records. All information relating to admission processes is made known to the parent's byway of a Help Desk that is set up during admissions. Admission committee assists in guiding the candidates and their parents during the admission process.</p>
<p>Examination</p>	<p>The end semester examinations are</p>



conducted as per university norms and results are communicated to the University through e-governance. The students can view the semester results in college website and intranet. All the data related internal assessment of various subjects is filled in intranet. The CoE office collect the data pertinent to internal marks from the intranet.

### 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
<b>No Data Entered/Not Applicable !!!</b>				
<a href="#">View File</a>				

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)
<b>No Data Entered/Not Applicable !!!</b>						
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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
<b>No Data Entered/Not Applicable !!!</b>				
<a href="#">View File</a>				

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
Nill	56	Nill	8

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Orientation programs/Staff development programs for non-teaching staff	Financial support by the College Management and teaching faculty to the needy non-teaching	Outstanding sportsmen honored with special prizes on the college day function

staff members.

## 6.4 – Financial Management and Resource Mobilization

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

Our K.S.Rangasamy College of Arts and Science institute conducts regular financial audits. The institute has a official mechanism for internal and external audits. The accounts are regularly audited to ensure financial agreement. Internal Audit: The internal audit is a continuous process in our institution. The finance committee and the Qualified Auditors from external resources have been appointed and a team of staff under them do a methodical verification on early basis. The team verifies all payments, receipts, vouchers of the cash transactions, ledgers and cash book. External Audit: The external auditor/agency appointed by the college performs audit of the financial statements of the college. The financial records are audited by qualified chartered accountants at the end of each financial year.

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
NILL	Nil	Nil
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6.4.3 – Total corpus fund generated

49000000

## 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	Academic Experts from other institutions	Yes	Head of the institution and IQAC Coordinator
Administrative	Yes	Academic Experts from other institutions	Yes	Head of the institution and IQAC Coordinator

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

The parents -teachers association held in a regular interval during 2019-20. The key areas of the support and activities from PTA are as follows: a. Feedback collected from the parents in terms of revision in curriculum during the meeting as parents are also one of the stake holders in education sector. b. Job placement and opportunities are discussed with the parents in order to make their son/daughter to prepare for such job placements opportunities. c. The institution progress and potential plans will be discussed during PTA meeting to ensure the students are in par with the institutions planning.

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

- MS Office Stress Management • Hand Craft • Handling Electronic Equipment's and maintaining components inventory • Training programme on instruments calibration and standards of practice

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

- College underwent the green audit certification process by external agency to maintain eco-friendly atmosphere in the campus.
- Extra Credit Courses: Encouraged to apply for MOOC courses offered by NPTEL, SWAYAM, etc.
- Innovation in teaching learning by introduction of ICT components.
- Installation of solar Power in the campus.

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
2019	Teaching learning methodology	14/06/2019	Nil	Nil	85
2019	Green audit - A mandatory component in College	05/11/2019	Nil	Nil	50
2019	E - Governance in college campus	18/11/2019	Nil	Nil	110
2019	Academic and administrative audit	03/12/2019	Nil	Nil	45
2020	Importance of ICT enabled class rooms	10/01/2020	Nil	Nil	100
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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
Women Health Hygiene	09/07/2019	Nil	232	Nil
Legal Empowerment of Women in India's	16/10/2019	Nil	328	Nil

changing scenario				
Women Safety - Kavalan SOS App	10/12/2019	Nil	223	Nil
Gender Discrimination - The Universal Challenge	22/01/2020	Nil	1120	450
Women's day Celebration	06/03/2020	Nil	1500	Nil

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
<p>Yes. Our college has the following facilities as alternate sources of energy and energy conservation measures. 1. Solar energy 2. Biogas plant 3. Sensor-based energy conservation 4. Use of LED bulbs/ power efficient equipment The various Energy conservation measures adopted in the college campus, from time to time, includes replacement of all the CRT monitors by LCD monitors in all department laboratories, retrofitting standard fluorescent lamps and CFL lamps with LED lighting, introducing automatic street lighting control to reduce energy wastage due to manual errors, upgrading window air conditioners into split air conditioners and further into BEE certified star rated energy efficient split air conditioners inverter air conditioners</p>

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	2
Ramp/Rails	Yes	2
Rest Rooms	Yes	2
Scribes for examination	Yes	2
Special skill development for differently abled students	Yes	2

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	14/06/2019	1	Blood Donation Camp	Blood Donation Camp	75
2019	1	1	17/08/2019	1	Online examination for CA - III exam	Online examination for CA - III exam	4000

2019	1	1	17/10/2019	1	Inspection for Dengue Awareness	Dengue Awareness	500
2019	1	1	15/10/2019	1	Pledge for Youth Awakening Day	Youth Awakening	300
2020	1	1	04/02/2020	1	Rally for World Cancer Day	Awareness on cancer	350
2020	1	1	13/02/2020	1	Rally for Alcohol Exemption Awareness	Negative effect of alcohol	250
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#### 7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
College calendar and code of ethics	Nil	A small booklet consisting code of conduct published and distributed by the management of the institution as Service Rules and regulation to every teaching staff, non- teaching and the students of the college at the beginning of every academic year Principal of the college in staff meeting remind existing and brief new staff members about the code of conduct and appeal everyone to follow the same strictly.

#### 7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Blood donation camp	08/01/2020	Nil	45
Pledge and Speech for Covid - 19 Awareness	11/02/2020	Nil	50
Independence Day celebration	05/08/2019	Nil	300
Pledge for Youth Awakening Day	15/10/2019	Nil	100

Unnath Abhiyan	10/01/2020	Nil	200
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

Tree plantation program' was organized in college premises and inaugurated by Lt. Kesevamoorthy. It was attended by all cadets. Institute has Installed roof top solar power plant Green audit was done in the campus A sewage treatment plant has been installed in the campus. The recycled water is used for watering trees and grass lawn. The sewage treatment plant is a unique and a one of its kind initiative of the management. Plastic bags are banned in the campus including canteen. The staff members and students of the institution wholeheartedly associate them every month on plastic recycling campaign.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

**BEST PRACTICE - 1 :EMPOWERING EMPLOYABILITY SKILLS**

1. Title of the Practice: EMPOWERING EMPLOYABILITY SKILLS

2. Objective: The Training and Placement Cell acts as bridge between students and companies. For all the students of Undergraduate and Postgraduate courses Placement Training is conducted internally by Training and Placement Cell and also paid training from outside vendors. On successful completion of the course students will attend placement drives conducted by the Institution throughout the year. Both On Campus and Off Campus Interviews are scheduled by the Training and Placement Cell. The main objective of Training and Placement Cell are

- Training the students to meet the Industrial recruitment process
- To motivating students to acquire technical knowledge and soft skills in terms of career planning, goal setting
- Motivating students for higher studies and guiding them to take competitive exams such as Bank Entrance Exams, TNPSC etc.,

3. The Context: Training for placement drives is an art, through which students will get ready for placement drives in their fifth and sixth semester of UG and III and IV semester of PG. Placement Training is planned by the Placement Team like internal training includes Career Competency Course, Placement Hours of one hour per week for each course. Career Competency Course is handled by the department of English and Mathematics as specified by separate syllabus designed from Training and Placement Cell. The Placement Cell operates round the year to facilitate contacts between companies and graduates. The number of students placed through the campus interviews is continuously rising. On invitation, many reputed industries visit the institute to conduct interviews.

4. The Practice:

- Getting Student Database those are willing to attend Placement Drives.
- Maintaining Student Database year wise.
- Communication Development Program and GD Practice
- Personality Development Program
- Entrepreneurship Development Program
- Public Sector Competitive Exams and Training
- Mock Interview Sessions
- Conducting Corporate Connect Training Programs (INFOSYS, GTT BARCKLEY's)

5. Evidence of Success: The Placement Cell operates round the year to facilitate contacts between companies and graduates. The number of students placed through the campus interviews is continuously rising year by year. Corporate companies and reputed regional companies from Erode, Tiruppur, Salem and Coimbatore visit the institute to conduct interviews. We have been successful in maintaining our high placement statistics over the years. The placement statistics is getting raised year by year.

6. Problems encountered and Resources required: Students from rural areas are in considerable number. Those students joining from rural area feel difficult to get accustomed academically to the college curriculum. In school level, Tamil medium students have lack of confidence in communicating in English and students have lack of confidence in learning computer subjects. To improve their confidence level, Communication Skills classes are incorporated in the placement timetable itself

for one hour per week. The inputs given in the classes have been revealed in the students' active participation in various activities and the participation in the Youth Talks Most of the students' dream is to be placed in core companies. The number of core companies coming for recruitment is lesser in count when compared to software companies. The main aim of Training and Placement Cell is to connect various sectors of companies for all the courses in near future. BEST PRACTICE - II CREATIVE SATURDAY 1. Title of the Practice: CREATIVE SATURDAY 2. Objective: The Institute conducts Creative Saturday programme on every working Saturday. The regular classes will be withheld on those days. The aim of Creative Saturday is to impart Placement Oriented Skills and Personal Development Programmes. The main objective of Creative Saturday is

- Reasoning and Aptitude Training
- Communication Skill Development
- Skill based Technical Training
- Group Discussion
- Mock Interviews
- Resume Preparation
- TNPSC, Banking Entrance Exams
- Quiz Programs

3. The Context: The Institute imparts a special training program apart from daily academic activities to inculcate placement training sessions with personalized development program among students on Saturdays. Respective departments will take in charge of framing hours and sessions on Saturdays. The faculty of respective department will take care of students on Saturdays by activities and interactive sessions like Group Discussion, Mock Interviews, Resume Preparation, Quiz Programs etc., The students will monitored and encouraged to take active participation in events conducted on Saturdays. 4. The Practice:

- Students are motivated to attend sessions.
- Group Discussions by motivating them to express their views in latest areas of interest.
- Personality Development Program
- Entrepreneurship Development Program
- Public Sector Competitive Exams Opportunities and training regarding exams.
- Mock Interview Sessions
- Skill based Technical support for students.

5. Evidence of Success: The Institute has received positive sign of Placement records year by year by conducting Creative Saturday Classes. The students are confident to attend Placement Drives without any hesitations. The students are well prepared before entering into Campus Placement Drives. The effect of Creative Saturday classes is seen in Placement Offers rising year by year. 6. Problems encountered and Resources required: Students from rural areas are in considerable number. Those students joining from rural area feel difficult to get accustomed academically to the college curriculum. In school level, Tamil medium students have lack of confidence in communicating in English and students have lack of confidence in learning subjects. To improve their confidence level, Creative Saturday classes are incorporated in regular basis apart from academic schedule. The inputs given in the classes have been revealed in the students' active participation in various activities and the participation in Placement activities.

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

### 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

Software Development Wing The Software Development Wing was established in the K.S.Rangasamy College of Arts and Science (Autonomous) with the main objectives of harnessing technology for quality enhancement in the field of academics as well as administration. The Software Development Wing plays a unique role in developing softwares and creating a digital atmosphere to enhance the digitising process which was executed in the year 2006. At Strives to exceed the quality standards and guarantee the development of user friendly, safe and reliable applications. The tasks of the Software Development Wing team can be divided into two categories: Internet based and Intranet based. The Software

Development Wing manages the following domains Website management (ksrcas.edu). In this K.S.Rangasamy College of Arts and Science (Autonomous) has an updated exclusive website to display the information of the college and its current activities. Through the SMS broadcast information, parents are informed about the student marks, leave availed by them and the other activities. For online certificate verification the institution has associated with directverify.in and the authenticity of the certificates has been verified through this portal. The institution is registered to G-suite for education and e-communication. The students and faculty members are provided with an email id by the domain name ksrcas.edu. Through Intranet Development and Maintenance, the college disseminates information among the students and faculty members. The circular from the Principal's office is circulated through the digital mode which encourages the paperless office atmosphere. Also the course notes and question bank for the students are uploaded and the students are able to view them and utilise them. Further profile of the faculty members are also uploaded in the website to be seen by everyone. The faculty members can apply for their leave through online mode and approval of the HOD and the Principal is also done in the same manner. In the year 2009, the software for the office of the Controller of Examination was developed by The Software Development Wing for taking care of applications like exam application form, generation of hall ticket and preparation of mark sheet. The Software Development Wing has developed the Attendance and Internal Management System (AIMS). Faculty members and students are given an individual Login id with password. Through this the faculty members can upload attendance for each hour continuous assessment test marks and assignment marks can also be uploaded through this by the faculty members. Through this the internal mark has been generated automatically at the end of the semester. Students are able to view their attendance, continuous assessment marks and assignment marks at any time. The student feedback is received through the internal management system. Students can record their feedback about facilities, environment and faculty members for each and every subject. Faculty members can view their feedback report in their Intranet Login. The Software Development Wing has developed software to organize data of the students and the newly joined faculty members for the ID card management system. The applications created by the Software Development Wing are used

Provide the weblink of the institution

### **8.Future Plans of Actions for Next Academic Year**

1. Motivating and facilitating faculty members to use Tools and Techniques for Virtual Teaching-Learning.
2. To develop networking with international universities.
3. To establish a media centre and to develop E- content (Videos) to support teaching learning process.
4. To increase the number of research publication.
5. To increase the number of proposals for minor and minor projects.
6. To increase the number of students undergoing industrial training/internship.
7. Promoting innovation among the students by Start-up Incubation Cell in the College.
8. To organize workshop/ Professional development program for lab Non-teaching faculty of our college.