

D.K Government College for Women(A), Nellore .

IQAC

SWOC Analysis.

Department : Mathematics

Note: Please write maximum 3 against each parameter

Parameter	Strengths What does your department do well in line with College vision and Mission	Weakness What are your department weaknesses?	Opportunities ... for growth of your department and the College	Challenges ... competition to your departmental success and the College success
Curricular Aspects	1.Regular BOS meetings for revision of the syllabus and model papers. 2.co-curricular activities like student seminar ,projects ..etc. 3.Student centric learning methods like SCL activity based teaching. 4.Bridge course for first year students and categorised the students into advanced learners and slow learners.	1.During pandemic most of the students not having electronic gadgets which leads to poor result. 2.	1.planing to introduce certificate and value added courses .	1.Guiding the students to face the competitive exams , various P.G set
Teaching - Learning	1.Dynamic and dedicated teaching staff all Doctorates and also acting as research Guide.2.Every year Syllbus revision as for the needs of the students. 3.Achieving above 75% result every year. 4.online teaching through college G-Suit account. 5.Teacher student ratio is 1:75.	1.Insufficient class rooms. 2.Lack of ICT facilities. 3.Dropouts in each semester. 4.Insufficient new books with respect to the revised syllabus.	1.Internal department library. 2.Remedial classes for Backlog students. 3.Guiding students for competatives exams like Groups,P.G set ..etc. 4.Continuous support to the students for the higher education.	1.Motivate the students to go for university education. 2.Councilling to the students about different threats from the students. 3.24 hours APSSDc lab . 4.Offering Mental and physical traing like Yoga,PET,Meditation....etc. 5.On different gyenaeic reasons majority of students discontinuity of their studies

Research	1.Publications in reviewed gernal.	Lack of funding to run the research activities.	<ol style="list-style-type: none"> 1. Planning to apply for Guide ship. 2. Guding students for study projects and cluster projects. 	Nil
Consultancy	Nil.	Nil	Nil	Nil
Innovation	<ol style="list-style-type: none"> 1.ICT based teaching through -Digital classes,virtual classes and G-suit recording ,Online exam through Googleforms. 2.MOU with Other Institutions. 	1. Poor infrastructure facilities.	1.Guding students to give ICT based activites like PPTs,Virtual seminars and Online examinations.	<ol style="list-style-type: none"> 1.During pandamic coverage of syllabus and getting result. 2.Participation of staff in various training programes by offered by CCE and other National Orgonisation.
Graduate outcomes	<ol style="list-style-type: none"> 1.!0% of our students selected for state Prathiba awards. 2.Some of the students got Cent percent marks in all semesters. 3.Three of the students got in Revenue and Sachivalayam sectors. 4.More than 60% of students got top ranks in various universities in P.G entrance Examinations. 5.Members of the departments guide the students to enrich their knowledge by the time of completion of the course. 	<ol style="list-style-type: none"> 1.Some of the students belongs to from rural areas are not interested to enter into the jobs or for higher studies. 2.Most of the students getting married and it leads to decrease of strength year to year. 3.Lack of Communication skills 	1.Inroduction of new programme with the combination of computer courses according to global needs.	<ol style="list-style-type: none"> 1.To increase the sanctioned strength . 2. Attract the students to join his institution by giving awareness about the institution.

Best practices	1.ICT unable teaching. 2.Regular Tutorials for slow learners. 3.Student extension lecturer. 4.Blended learning. 5.Staff members actively participated as LMS content Generator. 6.Subject experts for K.V (Kendriya vidhyalayam) school faculty selections.		1. Additional ICT facility offered by APSSDC.	1.Insufficient availability of resources with respect to the student ratio.
Student Mentoring system	1.Acting as class canceliering system, Women empowerment cell, Grievance cell, Legal aid cell. 2.Student induction programme, Medical awareness programme.	1.We can identified physical and mental condition with respect to academic and personnel problems of the student .	1.Guding students to overcome the academic and personnel problems	1.It is difficult to protect the students .
Examination System	1.Centralised internal assessment. 2.Participated as ce,s , acting asobservers ,Highpower committee members for parent university examinations. 3.Chief examiner of the strong room. 4.BOS members of various autonomous colleges . 5.Paper setters, Paper evaluators.	1. Lack of Intranet facility. 2.Online examination system.	1.Student can be assessed twice in a semester to attend the semester examination in easy manner..	1.SMP are found very frequently.

Extension Activities	<p>1.Members of various academic committees:</p> <p>A)Acting as coordinator and co-coordinator of IQAC.</p> <p>B)Co-Ordinator of Mentor-mentees</p> <p>C) Co-Ordinator of Women Empowerment cell ,Timetable Committee, Members of Student union committee,Student Induction Programme.</p> <p>D) Co-Ordinator of APSSDC , Chief of VSU Paper valuation Strong Room,Observers,Member of High Power committee, Leison officer of Day and Night college of VRC,Nellore.</p> <p>E) Paper setters, Paper evaluators.</p> <p>F) Regularly celebrating National Mathematics day every year 22nd December.</p>		<p>1.Staff enrichment .Supporting parents university works.</p>	<p>1.In obedience to the rules and regulations staff members are acting.</p>
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Deapartment Staff Members:

- 1.Dr.K.Suvarna (HOD)
- 2.Dr.J.Kavitha
- 3.Dr.PMV.Prasad
- 4.Dr.K.Chandra sekhar