



**Look deep into nature and then you will understand
everything better – *Albert Einstein***

ANNAI VELANKANNI COLLEGE

*(Accredited with B++ by NAAC & Approved by University Grants
Commission under section 2(f) & 12(B) status)*

KILLIYOOR TALUK, THOLAYAVATTAM - 629 157

Annual Report 2020-2021

A College with a noble cause

The College is owned and administered by the “*Friends of Kottar Society*”. Our College is primarily intended to provide educational opportunities mainly for the development of the social and educational status of the economically backward rural people without looking into their religion, caste, community or region. The college excels as one of the pioneering institutions through its valuable service for the past 33 years in the field of higher education to empower the rural folk in and around the village Tholayavattam. This is a Self-Financed College which is recognized by the public as a source of higher education providing at an affordable cost by offering 10 UG Courses, 8 PG Courses, 6 Pre-doctoral (M.Phil.) Programmes and 7 Research (Ph.D.) Centres.

Towards excellence in quality

The College is blessed with 70 teaching staff and 44 Non Teaching Staff. We are a happy to report that 41 teaching staff (More than 60%) are Ph.D. holders. Twenty seven of them granted guideship approval by the Manonmaniam Sundaranar University, Tirunelveli. A total number of 103 scholars are doing their Research in our Institution.

We are very happy to inform that our College has achieved a rare feat: Permanent University affiliation for 15 out of 18 courses: B.Sc. (Mathematics, Physics, Chemistry, Computer Science, Biotechnology and Zoology) B.Com, M.Com, B.B.A, B.A. (Tamil), M.A. (Tamil) and M.Sc. (Chemistry, Physics, Biotechnology and Computer Science.)

Our College created history when it became the first self-financed college in the district to acquire the 2(f) & 12(B) status by UGC.

We have been accredited with B++ by NAAC in the year 2016. We have submitted the *Annual Quality Assurance Report (AQAR)* for the year 2019-2020 on 31.12.2020.

Starting of the academic year through online

The academic activities of the College started with the re-opening of classes through online mode on 3rd August 2020 for the II & III year students, on 8th September 2020 for 1st year UG and PG students.

Theme of the Year

Setting yearly theme for the year is like setting a particular emphasis of actual relevance on the functioning of the College. The theme for the academic year 2020-2021 is “*YEAR OF INTEGRAL WELL - BEING*”.

Staff Motivation & Orientation

By Internal Quality Assurance Cell (IQAC)

Motivation and orientation help in enhancing the ability to adapt learned content to new situations. Constant motivational programmes are organized by the Internal Quality Assurance Cell to drive the learners in reaching learning goals.

<i>Date</i>	<i>Title</i>	<i>No. of participants</i>
17.12.2020 & 18.12.2020	Virtual Orientation Programme on Intellectual property rights	65
18.01.2021	Orientation Programme on revised NAAC Accreditation Process	65
20.01.2021	Orientation programme on How to work with joyness	35
18.03.2021	Virtual Orientation Programme on the power of personal change for emerging students	250
16.04.2021	Faculty Development Programme on outcome based education	64

Departmental Webinars/Workshops

Webinars, workshops and conferences are great importance to the life and carrier of a student. They are the platforms not only to learn new aspects but also a good way of networking. By learning new aspects and meeting new people, the student feels motivated. Departmental webinars and conferences allow the participants for quality interactions, opportunities to work together on solutions to real life challenges and practicing new techniques.

<i>Date</i>	<i>Department</i>	<i>Topic</i>	<i>Resource Persons</i>	<i>National/ International</i>
09.06.2020	Biotechnology	Philosophy of Science behind Biotechnology	Dr. D. Abiya Chelliah, Asst. professor, Department of Botany, St. John's College, Palayamkottai	National
11.06.2020	Physics	Radio Activity in Environment	Dr. G. Shanthi, Asst. Professor, Department of Physics and Research Centre, WCC, Nagercoil.	National
15.06.2020	Commerce	Entrepreneurial Challenges and Opportunities of COVID – 19	Dr. Raju, Associate Professor, Department of Commerce, Govt. College for Women, University of Kerala, Thiruvananthapuram	National
18.06.2020	Mathematics	Intellectual Property Right	Dr. R.S. Praveen Raj National Institute for interdisciplinary Science and Technology, Kerala	National
19.06.2020	Commerce	Economic Impact of the COVID-19 downturn and recovery Indian perspective	Dr. John Felix Stanislas, Financial Controller, Al Arif Group – hospitality Division, Dubai.	International
26.06.2020	Commerce	Will cash be the king and digital divine in post COVID India	Dr. K. Alamelu, Professor, Department of Banking Management, Alagappa University Karaikudi – 630004	National

19.11.2020	English	Creative Writing	Ms. Malarvathi	National
05.12.2020	Commerce	Personal Development Goals related to one's career and self growth	Dr. S. Maria John, Associate Professor (Rtd.) Department of Commerce, Cardomom planters Association College of Arts and Science, Theni	National
17.03.2021 & 18.03.2021	Physics	Nano Structured Materials	Dr. John Kennedy, Principal Scientist, National Isotope Centre, GNS Science, New Zealand Dr. K. Kaviyarasu, Senior Scientist, University of South Africa. Dr. S. Beer Mohamed Associate Professor, Department of Material Science, School of Technology, Central University of Tamil Nadu, Thiruvarur Dr. A. Muthukumaran Associate Professor, Department of Biotechnology, School of Bio & Chemical Engineering Kalasalingam Academy of Research and Education, Krishnankoil	International
21.05.2021	Physics	Thin Films preparation and characterization	Dr. A. Dhayal Raj, Assistant Professor, SHC, Tirupattur.	National

27.05.2021	ICT	Self Management	Mr. Satheesh Raj, CEO, E-Crusaders	
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Staff as Resource Persons

<i>Date</i>	<i>Name of the Staff</i>	<i>College</i>	<i>Topic</i>
17.02.2021	Dr. D. Joen Joselin Dr. D. Anto Pravin Singh Dr. M. Josephine Rani Dr. S. Lekshmi Devi	Annai Velankanni College Tholayavattam	Placement Training
28.02.2020	Dr.S. Mary Helen	Annai Velankanni College of Engineering, Pottalkulam, Kanyakumari.	National Science Day

Paper Publications by our staff

The purpose of original research studies is to disseminate the results of experiments and to convey the audience the advancement in the area of research

<i>Title of paper</i>	<i>Name of the author/s</i>	<i>Department of the teacher</i>	<i>Name of Journal</i>	<i>Year of publication</i>
Quest for Self-Identity: A Psychological Study of Nadine Gordimer's The Pickup	Dr. J. JesuLatha	English	KALA	2020
The Tension between the East and the West: A Study of Kamala Markandaya's A Silence of Desire	Dr. D Joen Joselin	English	Studies in Indian Place Names	2020
Exploration Towards Identity: A Feminist Reading of Manju Kapur's Home and the Immigrant	Dr. F. Meena Theresa	English	Studies in Indian Place Names	2020
Insusceptibility of Mata Hari over Misfortunes in Paulo Coelho's The Spy	Dr. D Joen Joselin	English	Studies in Indian Place Names	2020
Recreating and Redefining Identity: A Postcolonial Perspective on Romesh Gunsekera's Reef	Dr. J. Jesu Latha	English	Studies in Indian Place Names	2020
Cross-Dressing: The Secret Life of Afghan Girls in Nadia Hashimi's Fiction One Half from the East	Dr. J. Jesu Latha	English	Studies in Indian Place Names	2020
Depressive and Manic Episodes of Bipolar Disorder: A Psychological Study of Preethi Shenoy's Life is What You Make It	Dr. J. Jesu Latha	English	Studies in Indian Place Names	2020

Suffering of Adolescent Cancer Patients: A Psychological Study of John Green's The Fault in Our Stars	Dr. J. Jesu Latha	English	Studies in Indian Place Names	2020
Portrayal of Cultural Identity through the Culinary Memoir in Romesh Gunesequera's Reef	Dr. J. Jesu Latha	English	Studies in Indian Place Names	2020
Resisting stereotypes in Namita Gokhale's The Book of Shadows	Dr. J. Jesu Latha	English	Postcolonial Literature: Resisting Stereotypes, Rewriting History and Space	2020
Concept of Love and Relationship in Preeti Shenoy's Why We Love the Way We Do	Dr. J. Jesu Latha	English	Studies in Indian Place Names	2020
War and Politics: A New Historical Approach in Ishmael Beah's A Long Way Gone	Dr. S Lekshmi Devi	English	Studies in Indian Place Names	2020
Recreating and Redefining Identity: A Postcolonial Perspective on Romesh Gunesequera's Reef	Mr. C. Charly	English	Studies in Indian Place Names	2020
Portrayal of Cultural Identity through the Culinary Memoir in Romesh Gunesequera's Reef	Mr. C. Charly	English	Studies in Indian Place Names	2020

Domination Parameters to the Transformation of Star Graph	Dr. B. Stephen John	Mathematics	International Journal of Research and Analytical Review	2020
Radio Labeling of Complete Related Graphs	Dr. B. Stephen John	Mathematics	Compliance Engineering Journal	2020
Radio Labeling of Complete Related Graphs \hat{g}^{**}	Dr. B. Stephen John	Mathematics	International Journal of Multi disciplinary Research	2020
s - Closed Sets in Topological Spaces	Dr. M. Anto	Mathematics	International Journal of Mathematics Trends and Technology(IJMT T) – ICIMCEH 2020	2020
A Note on s - locally closed sets in Topological Spaces	Dr. M. Anto	Mathematics	International Journal of Mathematics Trends and Technology(IJMT T)	2020
Generalized Laplace Transform of Exponential and Trigonometric Functions	Dr. G. Dominic Babu	Mathematics	Journal of Information and Computational Science	2020

Edge graceful labeling of one vertex extension of P4 graph and tadpole graph	Mrs. V. Sherlin Paul Sunisha	Mathematics	Journal of applied science and computations	2020
Growth and Characterization of pure and Cadmium Chloride Doped Zinc Tris-Thiourea Sulphate (ZTS) Single crystals	Dr. A. Darlin Mary	Physics	<i>Studies in Indian Place Names</i> (UGC Care Journal)	2020
Growth and Characterization of pure and Glycine doped TrisThiourea Nickel Sulphate(TTNS) Single Crystals	Dr. A. Darlin Mary	Physics	<i>International Journal of Research and Analytical Reviews(IJRAR)</i>	2020
Growth and Characterization of pure and Glycine doped TrisThiourea Nickel Sulphate(TTNS) Single Crystals	Dr. J. Johnson	Physics	International Journal of Research and Analytical Reviews(IJRAR)	2020
Zinc Sulphate doped Cadmium Thiourea Sulphate Crystals by slow evaporation technique: Optical and Hardness properties	Dr. A. Darlin Mary	Physics	<i>International Journal of Research and Analytical Reviews(IJRAR)</i>	2020
Zinc Sulphate doped Cadmium Thiourea Sulphate Crystals by slow evaporation technique: Optical and Hardness properties	Dr. J. Johnson	Physics	<i>International Journal of Research and Analytical Reviews(IJRAR)</i>	2020

High performance of pyrochlore like Sm ₂ Ti ₂ O ₇ heterojunction photocatalyst for efficient degradation of rhodamine-B dye with waste water under visible light irradiation	Dr. Y. Samson	Physics	Journal of King Saud University – Science	2020
Electrical Properties of TGSXP1-X Single Crystal	Dr.V.S.Shali	Physics	International Journal of Research and Analytical Reviews(IJRAR)	2020
Synthesis And Characterization Of Iron Oxide Nanoparticles Nd Its Biological Applications Remedies	Mrs.S.Glory Sobha	Physics	Journal of Natural	2020
GREEN SYNTHESIS AND CHARACTERIZATION OF SEAWEED SILVER NANOPARTICLES AND THEIR BIOACTIVITY ANALYSIS	Mrs.S.Glory Sobha	Physics	Journal of Natural	2020
Synthesis and Characterization of Chitosan encapsulated Iron oxide Nanoparticles and their Antimicrobial activity study	Dr.S.Mary Helen	Chemistry	International Journal of creative research Thoughts	2020
Antidiabetic activity of chelating tris n-methylethylenediamine iron complex	Mrs. M. Jaya Brabha	Chemistry	Drug invention Today	2020
Enhancement of Visible Light Photocatalytic Activity of ZnO/ MnO ₂ nanocomposites	Dr. S. R. Brintha	Chemistry	Journal of Interdisciplinary Cycle Research	2020

Adsorption Behaviour of chitosan in the removal of heavy metal ion Zn ²⁺	Dr. S.R. Brintha	Chemistry	Journal of Interdisciplinary Cycle Research	2020
Study Paper On Finger Print Recognition	Mr. Y. R. Berlin Raja Singh	Computer Science	Journal of Information and Computational Science	2020
Isolation, Screening and Elucidation of antimicrobial compound from <i>Aspergillus niger</i>	Dr. J.M. Sasi Premila	Biotechnology	International Journal of Scientific & Engineering Research	2020
Isolation, Screening and Elucidation of antimicrobial compound from <i>Aspergillus niger</i>	Dr. S. Kala Vetha Kumari	Biotechnology	International Journal of Scientific & Engineering Research	2020
Isolation, Biochemical characterization, optimization parameter and molecular analysis of L-Asparaginase producing <i>Staphylococcus Aureus</i> and <i>Pseudomonasaeroginosa</i> from soil sample in Bangalore District	Dr. A.L. Hema Latha	Biotechnology	JASC Journal of Applied Science and Computations	2020
A Study on Customer satisfaction towards online shopping in munchirai block of Kanyakumari District.	Dr. T. Vijaya Kumar	Commerce	Our Heritage	2020
A Study on Socio Economic Condition of Green Entrepreneurs in Killiyoor Taluk of K.K. District	Dr. T.Vijaya kumar	Commerce	Our Heritage	2020

Impact on Digital Buying Behavior of Women in Kanyakumari District	Dr. M. Josephine Rani	Commerce	Our Heritage	2020
A Study on Consumer Awareness for Green Marketing in Kalkulam Taluk in K.K. District	Dr. M. Josephine Rani	Commerce	Our Heritage	2020
Effectiveness of Online Advertising On Buying Behavior of Online Users in Karungal Area	Dr. M. Josephine Rani	Commerce	Our Heritage	2020
A Study on Consumer Preference Towards Online Shopping In Marthandam Town	Dr. K. Varghese	Commerce	Our Heritage	2020
D-Marketing and its impact of Buying Behaviour	Dr. G. Jerin Rose	Commerce	Our Heritage	2020
A Study on Consumer Buying Behaviour Towards Online Shopping	Dr. G. Jerin Rose	Commerce	Our Heritage	2020
A Study on Brand Preference Towards Household Product in Karungal Town Technology Developments in Public Distribution Service (Smart Card) with Reference to Thingalnagar	Dr. G. Jerin Rose	Commerce	Our Heritage	2020
A Study on Customer Perceptions towards Technology Developments in Public Distribution Service (Smart Card) with Reference to Thingalnagar	Dr. G. Jerin Rose	Commerce	Our Heritage	2020
Customer Preference Towards Handloom Product through Online Shopping in Kanyakumari District	Mrs. K. Ajitha	Commerce	Our Heritage	2020

A Descriptive Study on Indian Banking Sector	Dr. S. Sheeba Gladis	Commerce	Our Heritage	2020
Efficiency of Weavers InKannanvilai Handloom Weavers Co-Operative Production and Sales Society Ltd In K.K. District	K.Ajitha	Commerce	Our Heritage	2020
Intellectual Property rights: An Overview of industrial Property	Dr. S. Sheeba Gladis	Commerce	Our Heritage	2020
Customer Preference Towards Handloom Product through Online Shopping in Kanyakumari District	Mrs. K.Ajitha	Commerce	Our Heritage	2020
A Study on Customer Satisfaction Towards Johnson Baby Product in Kalkulam Taluk	Mr. J.Algin Jose	Commerce	Our Heritage	2020
A Study on Attitude of Consumers Towards Green Marketing in Munchirai Block	Dr. S. Sheeba Gladis	Commerce	Our Heritage	2020
A Study on Women's Online Purchasing Behaviour in Vilathurai Panchayat of Vilavancode Taluk	Dr. T. Vijaya Kumar	Commerce	Our Heritage	2020
Quest for Self-identity: A Psychological Study of Nadine Gordimer's The Pickup	Dr. J. Jesu Latha	English	KALA	2020
Higher order –` Alpha Difference Equations	Dr.G.Dominic Babu	Mathematics	Journal of Computational Mathematics	2020

APPLICATION OF THE GENERALIZED DIFFERENCE OPERATOR OF THE n T H KIND	Dr. G. Dominic Babu	Mathematics	International Journal of Science and Research (IJSR)	2020
4D-Matrix ring with a common multiplication	Dr. G. Dominic Babu	Mathematics	Infokara Research	2020
SM-Closed sets in topological spaces	Dr.M. Anto	Mathematics	International Journal of Research and analytical reviews(IJRAR)	2020
SM-Homeomorphisms in topological spaces	Dr.M. Anto	Mathematics	Alochana Chakra Journal	2020
DB Closed sets in topological spaces	Dr.M. Anto	Mathematics	International Journal of Research and analytical reviews(IJRAR)	2020
DB* Close set and DB-Open set in topological spaces	Dr.M. Anto	Mathematics	Alochana Chakra Journal	2020
Effectiveness of celebrity advertisement on consumer behaviour towards FMCG Products with special reference to kanyakumari District	Mr.D.Anto Pravin Singh	Business Administration	International Conference on "Sustianability and modern management strategies for Business development	2020

Gap analysis between Expectation and Perception of Various Aspects in Regulated Market	Dr.R.Sukithar	Business Administration	Business Process Reengineering –A Global Perspective	2020
Human Resources Management Practices In Hospital Management: An Empirical Study	Dr.R.Sukithar	Business Administration	Studies in Indian Place Names	2020
Performance Management Systems Of Information Technology In The Global Era : An Overview	Dr.R.Sukithar	Business Administration	International Conference on "Dynamics of Management in the Global Scenario"	2020
Dimension of Organizational Commitment and Job Satisfaction among B-School Teachers in Madurai District	Dr.R.Sukithar	Business Administration	Studies in Indian Place Names	2020
A Study On The Customer's Perception Towards Insurance With Reference To Chennai City	Dr.R.Sukithar	Business Administration	Studies in Indian Place Names	2020
Effect Of Structural Properties On The Synthesis And Characterization Of Zno Nanoparticle By Co-Precipitation Method	Dr. M. Maria Lenin	Physics	WutanHuatanJisu anJishu	2020
Lower separation axioms on g^{**} s-closed sets	Dr.M. Anto	Mathematics	Malayala Journal of Matematik,	2021
Vibrational Spectroscopic Analysis of 10H- Dibenzo[b,e][2,4]oxazine and Investigate their Structural Reactivity by DFT Computations and Molecular Docking Analysis	Mrs. M. Latha Beatrice	Physics	Asian Journal of Chemistry	2021

UV light assisted photocatalytic degradation of textile waste water by $Mg_{0.8-x}Zn_xFe_2O_4$ synthesized by combustion method and in-vitro antimicrobial activities	Dr. J. Johnson	Physics	Environmental Research	2021
Oppettu Parvail Palamolium Thirukuralum	Dr. H. Subi	Tamil	Modern Thamizh Research	2021
Sankallakiya Puranookalil Velanmai	Dr. C. Little Flower	Tamil	Modern Thamizh Research	2021
Suvadi Koorum Pirameganoi Marutuvam	Dr. H. Subi	Tamil	Modern Thamizh Research	2021
Inkurunootil Makkalin Valviyal	Dr. R. Subaja	Tamil	Modern Thamizh Research	2021
Ettuthogail Pengal Valviyal	Dr. C. Ajitha	Tamil	Modern Thamizh Research	2021
Maduraikanchil Valviyal Pathivugal	Dr. R. Subaja	Tamil	Modern Thamizh Research	2021
Nattiniyel Thozhilsar Panpadugal	Dr. C. Ajitha	Tamil	Modern Thamizh Research	2021
Pen Theivya Valipadugalil Abirami Annai	Dr. C. Ajitha	Tamil	Modern Thamizh Research	2021
Vagada Sankiraka Sinthamani Olaichuvadiyin Stylistic Features	Dr. K. Aji	Tamil	Shanlax International Journal of Tamil Research	2021

Ancient Leaf Manuscripts - An Overview	Dr. K. Aji	Tamil	Shanlax International Journal of Tamil Research	2021
Tamil Maruthuva Noolkal Koorum Naadi Nilaikal–OorAaivu	Dr. K. Aji	Tamil	Shanlax International Journal of Tamil Research	2021
VilavancodeVattaraVilankusar Palamozhigal	Dr. S. Alex Jacob	Tamil	Modern Thamizh Research	2021
Palamozhigalil Samuthaya Nooku	Dr. S. Alex Jacob	Tamil	Journal of Classical Thamizh	2021
Palamozhigalil Pengal	Dr. S. Alex Jacob	Tamil	Modern Thamizh Research	2021
ThmizhKattalil Ulla ChikalgalukkanaTheervugal	Dr.K.Aji	Tamil	Sanlax Journals	2021
Perception of Customers Towards Banking Services Of Public Sector Banks In Kanyakumari District	Dr. R. Sukithar	Business Administration	International Journal of humanities, Law and Social Sciences	2021
Synthesis and Characterization of TiO ₂ -CeO ₂ (TiO ₂ -Ce) Nanocomposite: Testing its Antibacterial Effect	Dr. M. Jaya Rajan	Chemistry	Research Journal of Chemistry and Environment	2021
Comparative Study of Chitosan Encapsulated Nickel Nanoparticles and its Biomedical Application	Dr. S. Mary Helen	Chemistry	Journal of Interdisciplinary Cycle Research	2021

Green Synthesis and Characterization of Antibacterial Studies by Iron oxide Nanoparticles using Carica Papaya Leaf Extract	Mrs. V. Usha	Chemistry	Journal of Applied Sciences & Environmental Management	2021
Synthesis of Iron Oxide Magnetic nanoparticle: Characterization and its biomedical applications	Mrs. V. Usha	Chemistry	Journal of Applied Sciences & Environmental Management	2021
Synthesis of low cost activated carbon prepared from allium sativum skin by physical activation for removal of cu(ii) and cr(vi) ions: equilibrium and kinetics studies	Dr. M. Jaya Rajan	Chemistry	Zeichen Journal	2021
Investigation on the photocatalytic activity of chemically synthesized zirconium doped cadmium selenide nanoparticles for indigo carmine dye degradation under solar light irradiation	Dr. M. Jaya Rajan	Chemistry	Journal of water and Environmental nanotechnology	2021
DNA Cleavage and Molecular Docking studies using Green Synthesized Annona muricata silver nanoparticles	Dr. S. Mary Helen	Chemistry	International Journal of Aquatic Science	2021
Insecticidal and Larvicidal Activities of Silver Nano Particles Synthesized using Plant Bio Materials	Dr. S. Mary Helen	Chemistry	Annals of the Romanian Society for Cell Biology	2021
Adsorption and equilibrium studies of methyl orange on Tamarind shell activated carbon and their characterization	Dr. M. Jaya Rajan	Chemistry	Phosphorous, sulfur and silicon and the related elements	2021

Identification Of Minerals And Photonic Characterization Of Coastal Soil Samples Of Thengapattanam Beach	Dr. S.S. Sajitha	Chemistry	NOVYI MIR Research Journal	2021
Isotherm And Kinetic Modelling Of Adsorption Of Cr[VI] Onto Activated Zingiber Officinale Skin Powder	Dr. M. Jaya Rajan	Chemistry	Journal of Natural Remedies	2021

Name of the teacher	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference	Name of the conference	National/International	Year of publication
Dr.G. Dominic Babu	Mathematical Sciences and Applications	Discrete Laplace Transform	ICMA-2020 collaboration with AARM	ICMA-2020	International	2020
Dr.G. Dominic Babu	Mathematical Sciences and Applications	Three Dimensional Fibonacci Sequence and Difference Equation	ICMA-2020 collaboration with AARM	ICMA-2020	International	2020
Mr. Y. Kingston Albert Dhas	International Virtual Conference on Emerging Trends in Computing	A Survey on Security issues in Routing Protocols and Network attacks in Mobile AD HOC Network	International Virtual Conference on Emerging Trends in Computing	IVCET 2020	International	2020

Mrs. J Josephin Jinisha	International Virtual Conference on Emerging Trends in Computing	Survey on kinds of attacks in wireless sensor networks as well as identifying the Intruders	International Virtual Conference on Emerging Trends in Computing	IVCET 2020	International	2020
Mrs.M. Latha Beatrice	Proceedings of International Conference on Novel Materials for Evolving Technologies Applications	Spectroscopic Investigation and Quantum Mechanical Computation of Anti- Fungicidal Molecule Phenoxazine	Proceedings of International Conference on Novel Materials for Evolving Technologies Applications	ICNM-2021	International	2020
Dr. Y. Samson	Proceedings of International Conference on Novel Materials for Evolving Technologies Applications	A Functional Deep UV NON linear Optical Crystals Sulphamic Acid Admixture phosphoric acid (SAPS) Synthesis, Growth and Characterization	Proceedings of International Conference on Novel Materials for Evolving Technologies Applications	ICNM-2020	International	2020
Dr.S.S. Sajitha	QUOTES ON STRESS RELAX TENSION FREE HAPPY LIFE	-	-	-	-	2020
Dr. S. Kala Vetha Kumari	Biotechnology for Sustainable Development	Screening of phytochemical constituents and antimicrobial activity of seaweed <i>Sargassum ilicifolium</i>	Biotechnology for Sustainable Development	BSD 220	National	2020

Dr. J.M. Sasi Premila	Biotechnology for Sustainable Dvelopment	Screening, Isolation, Biochemical Characterization of Magnetotactic bacteria isolated from soil sample	Biotechnology for Sustainable Development	BSD 2020	National	2020
Dr. J.M. Sasi Premila	Biotechnology for Sustainable Dvelopment	Optimization of culture condition for the production of industrially important enzymes and its application studies	Biotechnology for Sustainable Development	BSD 2020	National	2020
Dr. T. Suresh	Biotechnology for Sustainable Dvelopment	Therapeutic potential of <i>Theobroma ccoaseed</i> extracts phytochemical and antibacterial activity	Biotechnology for Sustainable Development	BSD 2020	National	2020
Dr. T. Suresh	Biotechnology for Sustainable Dvelopment	Isolation and identification of fungal isolates from cave soil	Biotechnology for Sustainable Development	BSD 2020	National	2020
Mrs. T. Maria Jenet	Biotechnology for Sustainable Dvelopment	Studies on phytochemical, antibacterial activity of <i>Catharanthus roseus</i> and <i>Cissus quadrangularis</i>	Biotechnology for Sustainable Development	BSD 2020	National	2020
Mrs. T. Husmin Risha	Biotechnology for Sustainable Dvelopment	Analysis of Biochemical compounds in plantain <i>Musa paradisiaca</i>	Biotechnology for Sustainable Development	BSD 2020	National	2020
Mrs. T. Husmin Risha	Biotechnology for Sustainable Dvelopment	Isolation and physicochemical characterization of starch isolated from <i>Musa paradisiaca</i>	Biotechnology for Sustainable Development	BSD 2020	National	2020

Dr. D. C. Christo Melba	Biotechnology for Sustainable Dvelopment	Inviro screening of phytochemical and antibacterial activity of <i>Mimosa pudica</i> and <i>Catharanthus roseus</i>	Biotechnology for Sustainable Development	BSD 2020	National	2020
Dr. D. C. Christo Melba	Biotechnology for Sustainable Dvelopment	Phytochemical analysis and antibacterial activity of three different commercial green tea extracts	Biotechnology for Sustainable Development	BSD 2020	National	2020
Dr. C. Ajitha	Sittilikiya Menmaigal	Manspot Pillai Thamizhil Aninalan	Sittilikiya Menmaigal	-	National	2020
Dr. C. Little Flower	Sittilikiya Menmaigal	Thirukuttalukuravangieil K atcipadimangal	Sittilikiya Menmaigal	-	National	2020
Dr. R. Subaja	Sittilikiya Menmaigal	Thirukuttalukuravangi Katt umPadimangal	Sittilikiya Menmaigal	-	National	2020
Dr. A. Christal Sheeba	Sittilikiya Menmaigal	Vikirama Chozan Ulavil Kanala kumEluvagai Mahalir	Sittilikiya Menmaigal	-	National	2020
Mrs. T. Mabel Rani	Sittilikiya Menmaigal	Madurai Meenatchiammai Pillaitamil Kuripidum Anikalangal	Sittilikiya Menmaigal	-	National	2020
Dr. K. Aji	Sittilikiya Menmaigal	Ettaiyapura Pallu Kattum Pallar Valviyal	Sittilikiya Menmaigal	-	National	2020
Dr. S. Thomai Princiya	Sittilikiya Menmaigal	Thirukavalur Kalambagathil Ed amperum Adaisorkal	Sittilikiya Menmaigal	-	National	2020
Dr. H. Subi	Sittilikiya Menmaigal	Attupadai Noolkalil Unave Mar untu 302	Sittilikiya Menmaigal	-	National	2020

Dr. J. Johnson	Inaternational Conference on Nanoscience and Nanotechnology	Antibacterial Activities of Zinc Doped Magnesium Ferrite Nanoparticles with combusion method	International Conference on Nanoscience and Nanotechnology	ICONN 2021	International	2021
Dr. J. Johnson & Dr. A. Darlin Mary	Inaternational Conference on Nanoscience and Nanotechnology	Characterization of Potasium nitrate doped nickel thiouriea sulphate single crystals	International Conference on Nanoscience and Nanotechnology	ICONN 2021	International	2021
Dr. M. Anto	6th Biennial International Group Theory Conference - 2021	Separation Axioms on $g^{**}s$ -Closed Sets	6th Biennial International Group Theory Conference - 2021	6BIGTC-2021	International	2021
Dr. G. Dominic Babu	6th Biennial International Group Theory Conference - 2021	Fibonacci Heat Equation Generated by Two and Three Dimensional Difference Equation	6th Biennial International Group Theory Conference - 2021	6BIGTC-2021	International	2021
Dr. G. Dominic Babu	6th Biennial International Group Theory Conference - 2021	Discrete Laplace Transform of Trigonometric, Exponential and Hyperbolic Functions	6th Biennial International Group Theory Conference - 2021	6BIGTC-2021	International	2021
Dr. G. Dominic Babu	6th Biennial International Group Theory Conference - 2021	Extorial Function and its properties in Difference Operator	6th Biennial International Group Theory Conference - 2021	6BIGTC-2021	International	2021

Mrs. A. Annie Lydia	An IQAC sponsored Two-day International Conference on Recent Trends in Modern Mathematics	Perfect Mean Cordial Labeling of Subdivision of Graphs	An IQAC sponsored Two-day International Conference on Recent Trends in Modern Mathematics	RTMM-2021	International	2021
Dr. G. Dominic Babu	An IQAC sponsored Two-day International Conference on Recent Trends in Modern Mathematics	Some Applications of Discrete Laplace Transforms on Exponential, Trigonometric and Hyperbolic Functions Using Nabla Operator	An IQAC sponsored Two-day International Conference on Recent Trends in Modern Mathematics	RTMM-2021	International	2021
Dr. G. Dominic Babu	An IQAC sponsored Two-day International Conference on Recent Trends in Modern Mathematics	Beta Difference Equation of positive Variable ($k > 0$) with Finite Series	An IQAC sponsored Two-day International Conference on Recent Trends in Modern Mathematics	RTMM-2021	International	2021
Dr. M. Anto	An IQAC sponsored Two-day International Conference on Recent Trends in Modern Mathematics	A Case Study of stochastic process Using Queuing Model	An IQAC sponsored Two-day International Conference on Recent Trends in Modern Mathematics	RTMM-2021	International	2021

Dr. M. Anto	An IQAC sponsored Two-day International Conference on Recent Trends in Modern Mathematics	A study on g^{**s} -Connected Spaces	An IQAC sponsored Two-day International Conference on Recent Trends in Modern Mathematics	RTMM-2021	International	2021
Dr. R. Sukithar	Promotion and Protection of Human Rights	-	-	-	-	2021
Dr. S. Alex Jacob	Modern World Curriculum	Palamozhigalil Pengal	Modern World Curriculum	-	International	2021
Dr. M. Anto	National Conference on Recent Concepts in Algebraic Graph Theory NCAGT-2021	A study on g^{**s} -continuous and g^{**s} -irresolute functions in topological spaces	Proceedings of National Conference on Recent Concepts in Algebraic graph Theory	NCAGT-2021	National	2021
Dr. G. Dominic Babu	National Conference on Recent Concepts in Algebraic Graph Theory NCAGT-2021	Beta Difference operator of positive variable ($k > 0$) with infinite series	Proceedings of National Conference on Recent Concepts in Algebraic graph Theory	NCAGT-2021	National	2021

Dr. G. Dominic Babu	National Conference on Recent Concepts in Algebraic Graph Theory NCAGT-2021	Higher Order in nth order Exterior Function	Proceedings of National Conference on Recent Concepts in Algebraic graph Theory	NCAGT-2021	National	2021
Dr. G. Dominic Babu	National Conference on Recent Concepts in Algebraic Graph Theory NCAGT-2021	Some Applications of Generalized Laplace Transform in Cosine Series	Proceedings of National Conference on Recent Concepts in Algebraic graph Theory	NCAGT-2021	National	2021

Our Staff in Academic Bodies

- ✓ Dr. J. Johnson, Principal is a member of *Standing Committee on Academic Affairs* (SCAA) of Manonmaniam Sundaranar University, Tirunelveli.
- ✓ Dr. J.M. Sasi Premila, HOD of Biotechnology is serving as member of board of study for M.Phil and Ph.D. course work of Biotechnology in Manonmaniam Sundaranar University.
- ✓ Dr. T. Suresh, Associate Professor and Mrs. T. Maria Janet, Assistant Professor of Biotechnology members of UG/PG Board of Study, Department of Biotechnology in Manonmaniam Sundaranar University.
- ✓ Mr. Y.R. Berlin Raja Singh, Head, Department of Computer Science has been nominated as senate member in Manonmaniam Sundaranar University representing our College.

Courses/Conferences/Faculty Development Programmes attended by staff

Faculty Development Programme (FDP) indents to facilitate up-gradation of knowledge and to provide opportunities for induction training to teachers employed.

Date	Name of Staff	Department	Title
28.09.2020	Mr. Y. Kingston Albert Dhas	Computer Science	Digital Teaching Techniques
11.10.2020	Dr. A. Darlin Mary	Physics	Digital Teaching Techniques
18.10.2020	Mr. Y.R. Berlin Raja Singh & Dr. P.M. Jogi Priya	Computer Science	International Technical Research Conference
24.10.2020	Dr. J.M. Sasi	Biotechnology	Leadership skills

	Premila		(Live FDP)
05.11.2020	Rev.Dr. E. John Kulandai & Dr. J. Johnson	-	NIRF workshop
28.11.2020	Dr. J. Eugin Shaji	Chemistry	Digital Teaching Techniques
28.11.2020	Dr. T. Vijaya Kumar	Commerce	Creative Thinking (Live FDP)
30.11.2020	Dr. P.M. Jogi Priya	Computer Science	Flutter UI Design (Live FDP)
18.12.2020	Mrs. J. Josephine Jinisha	Computer Science	Programme on process management in problem solving (FDP)
09.01.2021	Mrs. M. Jaya Brabha	Chemistry	Digital Teaching Technique

Courses/Conferences participated by students

Participating in conferences helps the students solidify learning and professional growth and enables greater knowledge absorption.

Date	Programme	Resource Persons	No. of Students
29.10.2020	Human Values	Mrs. Jenefa Mercy, Asst. Manager, Allsec Technologies Ltd.	130
26.11.2020	Human Values	Mrs. Lekshimi Devi, HR Recruiter, Pshycologist/ Mental Health Supporter	148

30.11.2020	Exploration of opportunities for women empowerment	Ms. Julie Krubhavathi, Senior Manager Hr, EC Group International	229
19.12.2020	Positive Thinking	Mr. Raj Kumar Kalaimani, Senior Systems Engineer	130
13.01.2021	Time Management		

Mentoring Programme

To improve the staff-student relationship and to help the students in character building the mentoring programme was started in our College. Every student of the College has been assigned to a mentor. A *mentor mentee register* is maintained which can provide details on frequency of mentor-mentee meetings. The mentors are in contact with the students assigned, to guide and encourage the students

University Ranks

Ranking is the most important aspect of measuring the academic excellence of any institute. The College has received nine University Ranks in April 2020 examinations.

Sl.No	Name	Reg.No	Subject	Rank
1.	Klinton Britto K	20173011522224	B.Sc. Physics	2
2.	Ajitha R S	20183012502204	M.Sc. Biotechnology	4
3.	Blessy A	20183012102213	M.A. English	5
4.	Nisha T	20183012504213	M.Sc. Chemistry	6

5.	Ramya R	20183012506213	M.Sc. Computer Science	7
6.	Jenila Joselin R	20173011506220	B.Sc. Computer Science	10
7.	Arthi D F	20173011506220	B.Sc. Computer Science	12
8.	Jinisha L	20173011113214	B.A. Tamil	19
9.	Vinshi W S	20173011201250	BBA	19

Activities of Clubs/Cells and Committees

Clubs, Cells and Committees are a potent means for implementing supportive action programmes directed towards achieving the mission of the college.

Date	Programme	Organisers
22.01.2021	Mushroom culture workshop	Placement Cell
25.01.2021	Finding best 5 medicinal herbs from the kitchen garden	Eco-warrior club
13.02.2021	Training and Placement	Placement Cell
09.02.2021 to 17.02.2021	Interview skill training	Placement Cell
18.03.2021	Greenwall Display Competition	Eco Warrior Cell

Library

Our library has an extensive collection of books and journals. During the academic year 2020 - 2021, 245 books were added to the Collections and the total no of books reached

to 18918. The Library has 20 journals, 2 magazines and 6 News Papers. Apart from this, special training is being provided to the staff and students for using N - List.

Youth Red Cross

A webinar on First Aid Training to our YRC students on 02.12.2020. Mr. E. Blithe Sudhar, First Aid Lecturer and Disaster Management Trainer of Indian Red Cross Society, Tamilnadu Branch was the Resource Person.

17 YRC volunteers, two staff members and YRC Co-ordinator Dr. Y. Samson of our College participated a one-day district level study camp conducted by Scott Christian College Nagercoil on 10.03.2021.

Health Awareness Camp conducted on 31.03.2021. Mask distributed to needy people. 500 local people benefitted and 80 YRC students participated in this camp.

Women Cell

Woman's cell is constituted to help maintain a harmonious atmosphere at the institute to enable women to pursue their work with peace and confidence.

<i>Sl. No.</i>	<i>Date</i>	<i>Title of the Programme</i>	<i>Resource person</i>	<i>No. of Students</i>
1	30/11/20	Exploration of Opportunities for women Empowerment	Mrs.Juliee Krubhavathi	85
2	09/02/21	Gender Equality and Strategies	Mrs.C. Anitha Mary	20

3	24/02/21	Women's Health and Hygiene	Dr.V.S.Shali	30
4	02/03/21	Leadership for women	Dr.V.S.Shali	25
5	08/03/21	Women's Day	Dr.Gladis Lily	752

ICT Committee

Information and communication Technology ICT is the mode of education that use information and communication technology to support, enhance and optimize the delivery of information.

S.No.	DATE	TOPIC	RESOURCE PERSON	No. of Students
1.	24/07/2020	Employability skills for future	Lesslie J Praveen Kumar	84
2.	14/08/2020	Resume Writing	Mr.Indra Kumar	100
3.	21/08/2020	Data Science and its Applications	Dilip Muralidaran	25
4.	03/09/2020	Leadership Skilllls	Mrs. Sanjana Sambantham	100
5.	16/09/2020	Effective Utilization of College Life Towards Bright Future	Ms.Juliee Krubhavathi	65

6.	29/10/2020	Human Values	Mrs.Jenefa Mercy	94
7.	26/11/2020	Human Values	Mrs. Lekshmi Devi	53
8.	30/11/2020	Exploration of Opportunities for Women Empowerment'	Ms.Juliee Krubhavathi	85
9.	19/12/2021	Positive Thinking	Mr.Rajkumar Kalaimani	70
10.	13/01/2021	Time Management	Mrs. Archana Chitangunta	19
11.	29/01/2021	Positive Thinking	Mrs. Lekshmi Dhevi	48
12.	21/04/2021	Goal Setting	Mr. Bharathy Dhasan	70
13.	27/5/2021	Self Management	Mr. Satishraj	84

New Management Undertaking

After the successful completion of the tenure of the old management, new management was elected on 25.10.2020. This is the perfect time to introduce the newly elected team.

Chairman

Rev. Fr. A. Mariadas

President, Friends of Kottar Society

President

Dr. M. Xavier James Raj, M.Sc., B.Ed., Ph.D., MAe.S.I. D.Sc.

Former Scientist, ISRO

Vice President

Mr. A. Aloysius Innocent, M.Sc. B.T.

Secretary/Correspondent

Rev. Dr.E. John Kulandai, M.A., S.T.D

Joint-Secretary

Rev.Dominic M. Kadatchadhas

Treasurer

Dr. Gladys Lily, I.R.S.

Other Members

Rev. Fr. M. Arul Devadhasan

Secretary, Friends of Kottar Society

Rev.Fr.A. Jesumarian, Vice-President, Friends of Kottar Society

Rev. Dr. S. Xavier Benedict, DCL.

Rev. Fr. R. Xavier Bruce

Dr. M. Johnson, M.B.B.S.

Rev. Fr. A. Jokens, M.A., M.Phil.,M.Ed.

Mr. S. Stephen Jose, M.Sc. B.Ed.,M.Phil.

Dr. B. Alex Johnson Paul, M.Sc.

Mr. M.Joseph James, M.A.,B.G.L.C.A.I.I.B

Mr. George S. Maria Nesan, M.A.,B.Ed

Let me whole heartedly wish the new team members all success.

Scholarships

Name of the scheme	Number of students benefited by government scheme and amount		Number of students benefited by the institution's schemes and amount	
	Number of students	Amount	Number of students	Amount
Financial Assistance for Education to the Wards of Beedi /Cine/IOMC/LSDM-Postmatric	3	9,000	-	-
Central Sector Scheme of Scholarship for College and University Students	14	1,40,000	-	-
Postmatric Scholarship for Students with Disabilities	10	1,96,700	-	-
Postmatiric Scholarship Schemes Minorities CS	64	3,84,000	-	-
Department of Adi DravidarandTribalWerfare Scholarship	13	61,550	-	-

Farmers Scholarship	21	50,750	-	-
Aalayam Foundation	-	-	1	20,000
Friends of Kottar - Scholarship	-	-	162	9,03,000
Students Welfare Fund	-	-	18	54000
Economic Help by Individual Staff	-	-	7	34245
Alumni Association	-	-	7	44975

Awards/Endowments

Our students are benefitted by various Endowments and Awards contributed by different sources.

Awards:

1. Monsignor Dr. V. Mariadasan Award for University Rank holders
2. Prof. C. Bright Award for top scorer in M.A. English
3. Mr. K. Samley Award for top scorer in M.Sc. Mathematics
4. Mrs. V. Reginammal Memorial Award for top scorer in B.Sc. Physics
5. Mr. D. Muthappan Memorial Award for top scorer in M.Sc. Physics
6. Rayangel Prince Award for top scorer in B.Sc. Chemistry
7. Rayangel Prince Award for top scorer in M.Sc. Chemistry
8. Mr. T. Selva Raj Award for top scorer in B.Sc. Computer Science
9. Rev. Fr. A. Mariadas Award for top scorer in B.A. English

10. Rayangel Prince Award for top scorer in M.Phil. Chemistry
11. R. Henry David and T. Leela Award for top scorer in B.B.A.
12. Mrs. Mariammal Endowment Award for top scorer in B.Com.
13. AnbudaiyanNadar Endowment Award for top scorer in M.Com.
14. T.C. YesuDhas & C. Lilly Danie Award for top scorer in M.Sc. Computer Science

Endowments:

1. Mr. D. Sivanathan a former student created an endowment of Rs. 1,00,000/- and the interest amount is used for the educational needs of poor students studying in the College.
2. ALPHY Endowment of Rs. 3,52,000/- was created by B.Sc. Physics 1989-1992 batch students

The PTA Meet

The Parents Teachers meet is a regular activity of the College to enquire into the needs of the students, society and the expectations of the parents and draw plans to fulfill them to the possible extent. In this academic year PTA online meeting held on 20.12.2020. 490 parents participated in this google meeting.

Alumni Association

The Alumni Association of our College is a registered body (Reg. No. 34/2015-Tamilnadu Act 27 of 1975) and it is actively functioning. This year the Alumni general body meeting was organized on 26.12.2020.

Eco Club and Campus Beautification

In order to inculcate the love for mother Earth and to educate students about the ways and means of preserving nature, the Eco club organized a webinar on *Biodiversity conservation in Kanyakumari District & Environmental Protection Law* for our students on 12.11.2020. Nearly 100 students participated in this webinar and the resource person was Dr. D. Abiya Chelliah, Assistant Professor, St. John's College, Palayamkottai.

Counselling and Health Care Cell

A Webinar on We shall overcome on 26.06.2020. Nearly 70 students participated in this webinar and the resource person Rev. Fr. Stephen, Asst. Professor, Anugraha, Dindigul – 624003.

Transportation Facility

Bus facility is being provided to all the students coming even from remote areas.

To conclude

The College acknowledges the commendable and unforgettable services of our founder Correspondent Rev. Fr. Joseph Lucas who left for his eternal reward 16 years back and Msgr. Rev. Dr. V. Mariadhasan, the founder Chairman who left on 21.06.2018. On this occasion we remember with gratitude Miss. Philomen Govaere whose limitless love for the people in and around Tholayavattam has made the College a reality. I would like to remember the demised soul who rendered their service as Board Members, General Body Members and Staff in building this institution to this level.

Also, we are thankful to the "*Friends of Kottar, Belgium*" for their financial support at various stages for the development of the College. It is my bounden duty to recognize the support rendered by the *Friends of Kottar* President and the College Chairman Rev. Fr. A. Mariadas, Secretary and Treasurer Rev. Fr. M. Arul Devadhasan,

our College President Dr. M. Xavier James Raj, D.Sc., Correspondent Rev. Dr. E. John Kulandai and Treasurer Dr. Gladys Lily, I.R.S., for their friendly guidance and whole hearted co-operation in all occasions. I am obliged to thank our Vice Principal Dr. S.R. Brintha, Research Co-ordinator Dr. B. Stephen John, Staff Secretary Dr. M. Anto, IQAC Co-Ordinator, Dr. J.M. Sasi Premila, Office Superintendent Mrs. M. Jenilet Leela, HODs and all the teaching and non-teaching staff who have striven to the best of their ability to make all the plans successful.

My thanks are also due to the members of the core group of *Friends of Kottar*, the members of the College Administrative Board and the members of General Body for all their efforts and co-operation. Our gratitude is also due to the leadership, administration and the departments of Manonmaniam Sundaranar University, Tirunelveli. My sincere thanks to the members of Press and my Special thanks are due to all the well-wishers, Government and non-Government officials, for their timely helps. I register my thanks to my beloved students for their active involvement and enthusiastic co-operation. Annai Velankanni College Family expresses its heartfelt thanks and goodwill to the parents of our students and our lovable alumnae who support us in all dimensions. Above all I thank God Almighty for all His mighty deeds and Annai Velankanni, the Mother of God and our Patron.

Principal