

Adusumilli **G**opalakrishnaiah & **S**ugarcane **G**rowers
Siddhartha Degree College of Arts & Science

Vuyyuru – 521165, Krishna District, Andhra Pradesh

(An Autonomous College in the Jurisdiction of Krishna University, Machilipatnam)

Accredited by NAAC with “A” Grade



ANNUAL REPORT

2020-21

ANNUAL REPORT OF AG & SG SIDDHARTHA DEGREE COLLEGE OF ARTS & SCIENCE (AUTONOMOUS), VUYYURU.

(An Autonomous College under the Jurisdiction of Krishna University, Machilipatnam)

Re-accredited at 'A' grade by NAAC

ANNUAL REPORT – 2020-21

26-10-2021.

INTRODUCTION:

A.G & S.G Siddhartha Degree College of Arts & Science is an Autonomous College re-accredited by NAAC at 'A' level in the II cycle and implementing Choice Based Credit System. Now the college is on its way for NAAC 3rd Cycle for reaccreditation within few months.

MAJOR MILE STONES

A.G & S.G Siddhartha Degree College of Arts and Science, Vuyyuru was awarded the **ISO 9001:2015 Certification**, on 6th September, 2021. Sri Tatineni Srihari Rao, Convenor of College along with Sri L.K.Mohana Rao, Academic Advisor, Dr.D.Bala Krishna, Principal and Sri K.Satyanarayana, Special Officer received the certificate from Sri Alapati Sivaiah, Managing Director HYM International Certification Pvt Ltd, Hyderabad.

AWARDS AND RECOGNITIONS

- Dr.D.Rajyalakshmi, Head, Department of History received an Award titled '**Indo-Asian Romila Thapar Distinguished Historian**' in recognition of her participation in the United Nations 75th Anniversary Dialogue on UN Goals-Quality Education –The Future and consistent Superior Performance in Andhra History upon the recommendations of the committee on Academic Excellence Awards as part of the project of the International Multy disciplinary Research Foundations in honour of the United Nations 75th Anniversary, on 15-12-2020.

PH.D AWARDS

- Dr.Ch.V.Anil Dai, Head, Department of Physics has got awarded Ph.D from Acharya Nagarjuna University on the 5th of March, 2021 for his Research on "Spectroscopic and Ultrasonic Studies on Binary Borate Glass Systems Mixed with Certain Transition Metal Ions and Rare Earth Ions". The staff and the management including Sri Tatineni

Srihari Rao, Convenor of the college and Sri L.K.Mohana Rao, Academic Advisor of Siddhartha Academy felicitated Dr.Anil Dai for his achievement.

- Dr.G.Srinivas, Head, Department of Telugu has been awarded Ph.D from Acharya Nagarjuna University on 20th September, 2021 for his research on “ఇక్కుల్లి నరసింహరావు సాహిత్యం – పరిశీలన”.

ACADEMICS:

The percentage of pass during the academic year 2020-21 is as follows -

U.G

B. A	-	81%	
B.Com	-	88.3%	Average: 83.78%
B. Sc	-	81.31%	

MOUs

- The Department of Physics signed an MOU (Memorandum of Understanding) with Luminescence Society of India, Applied Physics Department, M. S. University, Baroda, Gujarat on 21-12-2020 to promote co-operation between the Department of Physics, AG & SG Siddhartha Degree College of Arts & Science, Vuyyuru and Luminescence Society of India C/O Applied Physics Department, M.S. University, Baroda, Gujarat. Both the institutions entered this formal statement of collaboration in the form of Memorandum of Understanding (MOU) for the purpose of academic and professional exchanges.
- The Department of Zoology signed an MOU (Memorandum of Understanding) in Collaboration with Amrutha Hospitals, Vuyyuru on 23-01-2021 for the purpose of academic and professional improvement and interaction.
- The A.G & S.G.Siddhartha Degree College, Vuyyuru signed an MOU (Memorandum of Understanding) in Collaboration with P.B. Siddhartha College of Arts & Science, Vijayawada to expose the Post Graduate students to the diversified intellectual abilities to share the expertise of the faculty and students pursuing post graduate programmes.
- The A.G & S.G. Siddhartha Degree College, Vuyyuru signed an MOU (Memorandum of Understanding) in Collaboration with S.D.M Siddhartha Mahila Kalasala, Vijayawada to expose the Under Graduate students to the diversified intellectual abilities to share the expertise of the faculty and students pursuing undergraduate programmes.

STUDENT ACHIEVEMENTS

- Ms.N.Jayachandra Manasa of III B.Z.C participated in a National Level Elocution Competition “Dr.T.S.Rama Rao Memorial National Level Botany Quest 2020” organized by Hindu College on 19th December, 2020 and awarded Rs.1, 500/- for securing 2nd place.

PLACEMENTS

Under the able guidance of Career Guidance and Placement Cell students achieved placements in the following Multinational & Local Organizations.

Recruiter	No. of Students Selected
Infosys	21
Cognizant	6
TCS	4
Wipro	7
Hex aware	2
MSN Labs, Hyderabad	9
LANTECH Pharma, Hyderabad	1
Skill Connect Recruitment Drive (APSSDC)	32
Total	82

- Career Guidance and Placement Cell in association with **APSSDC** conducted a **MEGA JOB MELA** as a part of Skill Connect Drive on the college premises on 2nd February, 2021. Nearly 411 unemployed youth have got attended for various jobs and nearly 379 candidates were selected by the companies like Reliance, **Jio Mart**, **Reliance Nippon Life Insurance**, **Navata Road Transport**, **Team Lease**, **Mohan Spin Techs**, **Hero Motors**, and **Flextronics** etc.
- Career Guidance Cell in association with **APSSDC** conducted another **MEGA JOB MELA** as a part of Skill Connect Drive in the college premises on 26th March, 2021. Nearly 132 unemployed youth contested for various jobs and nearly 65 candidates were selected for companies **Reliance Jio Mart**, **Reliance Nippon Life Insurance**, **Navata Road Transport**, **Team Lease**, **Mohan Spin Techs**, **Hero Motors**, and **Flextronics**.

GRANTS RECEIVED

Nature of Grants	Grants Sanctioned	Grants Received
RUSA 2.0 Grants	Rs. 2 crore	Rs. 1.5 crore
Advance received from the Management for conducting Webinars & Other activities	Rs. 2,00,000	Rs.2,00,000
Management contribution for the construction of additional Class rooms up to basement level	Rs.95,00,000	Rs.95,00,000
Incentives received from the Management for the publications	Rs.12,000	Rs.12,000

PUBLICATIONS BY FACULTY IN STANDARD JOURNALS

- Dr.K.Venkateswarlu, Head, Department of Commerce and Sri K.Sekhar Babu, Lecturer in Commerce jointly published a paper entitled “A Study on Human Resource Planning Process and Developing” in JETIR, ISSN UGC Approved (Journal No:63975) & 5.87 Impact Factor Published in Volume 7 Issue 12, December-2020.
- Sri N.Vasanth Rao and Sri V.Gopichand members of the Department of Commerce jointly published a paper entitled “A Study on Flexible Human Resource Management and Firm Innovativeness with Special Reference to Mediating Role of Innovative Work Behaviour” in JETIR, ISSN UGC Approved (Journal No:63975) & 5.87 Impact Factor Published in Volume 7 Issue 12, December-2020.
- Smt.A.Indira, Head, Department of Chemistry published a paper entitled “A Stability Indicating Method Development Of Atorvastatin Calcium and Amlodipine Besylate In Combined Tablet Dosage Forms by R P-HPLC in the Journal “**Indo Global Journal of Pharmaceutical Sciences**”, on 05-12-2020 with ISSN NO:2249-1023.
- Sri N.V.Srinivasa Rao, Head, Dept of Mathematics published a paper on “A Study on the Linear Algebra & AMP; Matrix in Mathematics” in an International Journal of Creative research thoughts with ISSN: 2320 – 2882 and 7.97 impact factor by Google Scholar and date of publication is on 12.01.2021.
- Ms.A.N.L.Manohari and Smt. P.Sowmya members of the Department of Commerce jointly published a paper entitled “Online Marketing Through Consumers: A Study Of Effectiveness of Various Tools” in the Journal of Emerging Technologies and Innovative Research, a UGC Recognized Journal 5.87 Impact Factor in the Volume 7 Issue 12, December-2020.

- Smt D.Sunitha, Lecturer in Mathematics published a paper on “A Study on the Linear Algebra & AMP; Matrix in Mathematics” in an International Journal of Creative research thoughts with ISSN: 2320 – 2882 and 7.97 impact factor by Google Scholar and date of publication is on 12.01.2021.
- Dr.V.Sreeram, Head, Department of Chemistry (PG) published a paper entitled “Stability and Validity Indicating UV Spectro photometric Rapid Assay Method for The Estimation of Promethazine Theoclate” in the journal Science, Technology and Development in the Month of May, 2021.
- Dr.V.Sreeram, Head, Department of Chemistry (PG) published a paper entitled “Caliculation of Vibrational Frequences of Sulpher – Dioxideby lie Algebric Frame Work” in the journal Acta Physica Polonica – A in the month of September, 2021.
- Sri V.N.V.Kishore, Lecturer in Chemistry (PG) published a paper entitled “Simultaneous Quantification of Tiagabine and its related substance by a stability indicating RP-HPLC method” in Rasayan Journal Chemistry in the month of October, 2021.

Participation of Faculty in Refresher/Orientation/ Shor term and Faculty Development Programs

- Smt M.Rekha Lecturer, Department of PG Chemistry completed NPTEL Online Certification Course in Basics of inorganic Chemistry organized by Indian Institute of Technology, Bombay from January,2021 to February ,2021.
- Smt D.Sunitha Lecturer, Department of Mathematics completed NPTEL Online Certification Course in Basic Linear Algebra organized by Indian Institute of Technology, Bombay from February ,2021 to April ,2021.
- Sri N.V Srinivasa Rao Head of the Department of Mathematics completed NPTEL Online Certification Course in Basic Linear Algebra organized by Indian Institute of Technology, Bombay from July ,2021 to October ,2021.
- Sri N Rama Rao Head of the Department of Economics completed NPTEL Online Certification Course in Managerial Economics organized by Indian Institute of Technology Bombay from July,2021 to October 2021.
- Smt. M. L. S. Kumari Head of the Department of Telugu Participated in Faculty Development Programme “Telugu Sahitya Prakriyalu, Aadhunika Bodhana Mulyankanam” organized by Andhra Layola College,Vijayawada from 05-08-2021 to 11-08-2021.

- Sri.Ch. Vijay Anil Dai Head of the Department of Physics Participated in Refresher Course in Physics organized by HRDC, Pt. Ravi Sankhar Shukla University Raipur from 16-08-2021 to 28-08-2021.

SOME IMPORTANT EVENTS ORGANIZED BY THE DEPARTMENTS:

- The Department of Mathematics conducted a **National Level e - Competition** on “Advanced Developments in Mathematics” on 22nd Dec 2020.
- The Department of Chemistry conducted a Training programme on “**Water Analyser**” by Systronics India Ltd, Hyderabad, on 23rd December, 2020.
- The Department of Chemistry organized an **International Webinar** on “**Renewable Feed stocks For Sustainable Chemicals**” on 12th January, 2021.
- The Department of Chemistry arranged a Guest Lecture on “**Mass Spectrometry**” by Sri D.Seshu Pavan Kumar, Lecturer in Chemistry and Sri A.Manikanta Swami, Research Scientist, Sir C.R.Reddy College, Eluru on 16th February, 2021.
- The Department of Chemistry in association with IQAC arranged a Guest Lecture on “**Thermodynamics**” by Ms.D.Vimala Kumari, Lecturer in Chemistry, ANR College, Gudivada on 19th February, 2021.
- Department of chemistry organised a Guest lecture on “**Thermodynamics**” on 30-09-2021. By Ms D.Vimala kumari, lecturer in Chemistry, A N R College, Gudivada.
- Department of Computer Science organised a Two Day Online faculty Development Program (FDP) on “**Recent Trends in Computer Science & Information Technology**” during 23rd & 24th January, 2021. Mr.Kanna Babu Banna, Corporate Trainer & Technical Consultant, Sathya Technologies, Hyderabad acted as resource person.
- Department of Computer Science organised One Day Online National Level Webinar on “**Machine Learning With Python**” on 6th February, 2021. Sri A.Lakshmana Rao, Assistant professor, IT Department, Aditya Engineering College, Kakinada acted as resource person.
- The Department of Zoology arranged a National Level Workshop on “**Bee Keeping**” on 19th January, 2021. Sri K.China Babu, Proprietor, Papa Rao Thene Parisrama acted as a resource person.
- The Department of Zoology arranged a Guest Lecture on “**Diversification of Aqua Culture**” by Sri B.Appala Naidu, Asst.Project Manager, Manikonda on 9th March, 2021.
- The Department of Zoology organized “**BLOOD GROUPING**” Programme for all the 1st year students on 30th & 31st March, 2021.
- The Department of Botany organized One Day National Webinar on “**Arbuscular mycorrhizae - A potential Eco-friendly tool for sustainable Agriculture**” on 07th February, 2021.
- The Department of Commerce and the Department of Economics organized a National Webinar on “**GROW WITH SBI**” on 21st January, 2021.Sri M.Sai Baba, AGM, SBI and Sri U.Sai Sarvotham, Chief Manager, SBI acted as Resource Persons.

- The Department of Economics organized a National Level Webinar on “**Economic Impact of COVID-19 (with special reference to Informal Economy)**” on 5th February, 2021. Dr.K.Madhu Babu, Professor of Economics, ANU, Guntur acted as Resource Person.
- The Department of Political Science conducted a National Webinar on “**Federalism at Cross Roads in India-issues and Challenges**” on 3rd February, 2021. Prof.G.Vinod Kumar, Head Department of Law Osmania University of Hyderabad and Prof.T.Ram Mohan Rao Associate Prof.I.I.M Ahamadabad acted as resource persons.
- The Department of English organized a One Day National Level Webinar on “**TLE IN A NUTSHELL: THE PRESENT SCENARIO**” on 6th February, 2021. Sri M.Vincent Paul, Rtd. Lecturer in English, Sir C.R.Reddy College, Eluru acted as a Resource Person.
- The Department of organized a One Day National Level webinar on “**తెలుగు భాష ఔస్సనత్యం**” on 07th February, 2021.
- The Department of Hindi a One Day National webinar on “**छायावादी कविता में प्रकृति चित्रण**” on 03rd February, 2021.
- The Department of Computer Science arranged a Guest Lecture on “**Career Opportunities in Software Industry after Covid – 19 Outbreak**” by Smt P.Lakshmi, PIG, Vision Computers on 1st April, 2021.
- The Department of Library Science organized a One Day National Webinar on “**e-Resources for Academic Excellence with Special Reference to MOOCs**” on 07th February, 2021.

AWARENESS PROGRAMMES

- Career Guidance and Placement Cell has arranged an awareness programme on “**Drug Abuse**” by Sri M.S.N Sastri, S.I, Abkari Station, Vuyyuru on 29th March, 2021.
- Women Empowerment and Anti Sexual Cell in association with All India Democratic Women’s Association (AIDWA) arranged a Health Awareness Program on “**Issues in Women’s Health – Solutions**” by Dr.R.Jayaprada, MBBS, DGO, Superintendent, Community Health Care Centre, Vuyyuru on 6th March, 2021.
- NSS Units - I & II arranged an awareness programme on “**Fire Safety**” by the Disaster Response and Fire Services Department, Vuyyuru on 17th April, 2021 as part in the Fire Service Week.
- Department of Zoology conducted ‘**Blood Grouping Programme**’ for all our College students to acquaint the students with their Blood Group.
- The World Aids day Rally was organized by N.S.S Volunteers on 1st December, 2020.
- An awareness programme on **Disha App** for Degree Girls students was arranged by N.S.S Units I & II on 9th October, 2021 in our college Campus. Sri.M.Mukteswara Rao C.I Vuyyuru addressed the girl students and created awareness on Disha App.
- An Awareness Programme on **Hand wash** was being organized by NCC cadets under Swachha Pakwada programme on 15th December, 2020.

- Women Empowerment and Anti Sexual Harassment Cell in association with IQAC and All India Democratic Women's Association (AIDWA) arranged a Health Awareness Programme on **“Issues in Women's Health Solutions”** by Dr.R.Jayaprada, MBBS, DGO, Superintendent, Community Health Care Centre, Vuyyuru on 06-03-2021.

CERTIFICATE COURSES

- The Departments of English, Botany, Zoology, Telugu, Commerce, Computer Science and Physical Education organized Certificate Course on Competitive English, Mushroom Culture, Organic Farming, Journalism, Tally, Information & Communication Technology(off line) AWS & Soft Skills(Online) and Yoga respectively.

SPORTS & GAMES

- The Department of Physical Education in association with Alumni Association organized **“TRIPLE - A - INTERNATIONAL ONLINE BLITZ CHESS TOURNAMENT 2021”** on 31st January, 2021. In this Tournament 510 Players participated which included 452 Indian Players & 58 International Players from 7 Countries.
- The Women Students of our College participated in **Andhra Pradesh State Level SQAY Championship 2021 organized by “SQAY Sports Martial Art Association of Andhra Pradesh”** won the Gold Medal in Team Event and One Gold & Silver Medal In Individual Events

BEST PRACTICES

- Initiated Start-up & Incubation Centre activity by promoting Entrepreneurship spirit among students allotting projects. Two Science students of final year of our college started the projects titled **“Mushroom Cultivation” & “Organic Farming”**.
- **“BLOOD GROUPING”** Programme is being organized regularly for all the 1st year students by The Department of Biology.
- Students Classroom Seminars are being organized regularly after the completion of each unit of the Curriculum.
- In collaboration with APSSDC, Campus Drives and Job Mela are being organized for all the Youth in and around Vuyyuru.
- In collaboration with APSSDC, Campus Drives and Skills Training programmes are being organized for all the students of our college.

- **SBIC** (Strengthening Basics In Chemistry) Programme is being implemented for all the Chemistry students by the Department of Chemistry.
- Coaching for PG Entrance Exams (PGCET) is being given to all Chemistry students by the Department of Chemistry besides conducting Mock tests, study material is also distributed.
- A Mega Blood Donation Camp is being organized regularly by the NSS Units – I & II, NCC Wing of college in collaboration with Lion's District 316D Blood Bank, Vijayawada. A minimum of 100 units of Blood is being donated.
- In view of Competitive world, an Extra Unit (Unit – VI) is being added in the Curriculum to promote Competitive Spirit among students to crack the Competitive exams in the respective subjects.
- Covid – 19 tests are being conducted twice in the campus for all the students and staff in collaboration with Government Hospital, Vuyyuru.
- Eco-friendly activities are being promoted regularly in the campus – Rain Water Harvesting Pits, 25KV solar power plant, Dry leaf manure, Green Campus maintenance.

EXTENTION ACTIVITIES

- The Department of Zoology initiated an extension activity by organizing an awareness program on **“COVID-19 Recommendations and Advice for the Public”** in Flora E.M .High School, Vuyyuru and V.R.K.M High School, Vuyyuru on 23rd December, 2020.
- Volunteers of NSS unit-I & II distributed the Homeopathic pills to our college students to control the pandemic disease Corona virus on 11th January, 2021.
- **A Free Covid Vaccination Camp** was organized by the Govt. Health Department in our College premises on 27th August, 2021.

CELEBRATIONS

- **“National Science Day”** was celebrated by all the Science Departments on 27th February, 2021. On this occasion, all the Science Departments have arranged a Science Exhibition **“Concept and Enrichment Programme”**, and arranged a Guest Lecture by Ms.Yasmin Mahammad, Sr.Scientist, K.C.P & I.C Ltd, Vuyyuru. Neary 260 students from various schools have visited the exhibition and got benefitted.
- **International Women's Day** was celebrated on 8th March, 2021. On this occasion Women Empowerment and Anti Sexual Cell conducted essay writing competition and distributed prizes. Sri J.V.V.Satyanarayana Murthy, Junior Civil Judge and 10th Additional Metropolitan Magistrate acted as a chief guest.

- **“Indian Constitutional Day”** was celebrated on 26-11-2020 by the Department of History in the College premises.
- **Birth Anniversary of Sri Babu Jagajjeevanram**, Ex-Vice President of India was celebrated by NSS Units – I & II on 5th April, 2021.
- **National Youth Day** was Celebrated on the occasion of Swamy Vivekananda's birth anniversary on 12 - 1 – 2021 by NSS Unit - I & II.
- **Birth Anniversary of Sri Babu Jagajjeevanram**, Ex-Vice President of India was celebrated on 5th April, 2021.
- **International Women’s Day** has been celebrated on 08-03-2021. On this occasion Women Empowerment and Anti Sexual Harassment Cell in association with IQAC conducted essay writing competition and distributed prizes. Sri J.V.V.Satyanarayana Murthy, Junior Civil Judge and 10th Additional Metropolitan Magistrate acted as a Chief Guest.

Steps Taken for the Upgradation of Educational Standards and Methods of Training

- Teaching methodology has been changed from teacher-centric to learner-centric through active engagement of students in the classroom. The learner priority is focused.
- ICT enabled teaching has been in practice through the use of PPTs, videos, virtual labs (Web based) etc. and 1 E-Classroom , 3 Virtual class rooms, 1 Digital class room have been arranged for this purpose. Other provisions like LCD Projectors and computer lab and 1 RUSA digital lab with LAN provision do exist in the college.
- In this technology-driven globalised environment, Massive Open Online Courses (MOOCS) have become increasingly important in educational initiatives.120 students of computer science & 3 members of faculty registered in the courses under National Programme on Technology Enhanced Learning Project (NPTEL), a joint initiative by seven IITs and IISC Bengaluru under SWAYAM Platform.
- Training is being imparted to faculty in a progressive manner on computer assisted teaching and usage of apps as teaching tools.
- Planning to procure Virtual softwares and LMS tools to enable enhanced convenience in ICT mode of teaching.
- Enhanced Academia-Industry partnerships through MOUs, Internships, Hands-on Training, and Student Projects in and outside the college, Technical Trainings at well-equipped sophisticated Labs of the Science Departments.

ADDITIONAL FACILITIES PROVIDED:

- RUSA Lab and Digital Lab with the facility of Video Conference using software TCIL Technology is equipped with Wi-Fi and LCD Projector.
- 2 Virtual Block Class Rooms, 3 Digital Laboratories built with the funds from RUSA and Out Door Stadium.

Necessary Precautions Taken to Prevent the Spread of Corona Virus on Campus:

- We do sanitize the Campus twice with Sodium Hypochlorite.
- We shall sanitize the Class rooms, labs, departments and all corners of the campus before the commencement of classes.
- Compulsory use of Masks to students, parents, staff and visitors.
- Educating students and encouraging them to educate their parents and neighbours about prevention of the spread of COVID-19 virus.
- Encouraging the students to come by individual transport like cycle/motor cycle.
- Avoiding of close gathering near Notice Board, Drinking water points, wash rooms, class room entrances, and at the canteen.
- Spitting shall be strictly prohibited.
- Installation & use of Aarogya Setu app.
- Physical distancing of at least 6 feet between persons.
- Ensure hand washing facilities along with provision of soap.
- Weather permitting outdoor spaces may be utilized for conducting faculty student interaction.
- The college administration shall make arrangements for broadcasting live / recorded lectures or to make learning material available to the students.
- Toilets shall be cleaned/disinfected in every hour.
- The faculty presence should be ensured by way of Whatsapp groups or through asynchronous learning using Google class room or through video conferences using free software like zoom or Google meet etc.,
- Assignments/ Quizzes etc., are to be administered through email for students, evaluation is to be done and communicated promptly. Assessment records shall be maintained.
- Student attendance shall be recorded and monitored to satisfy 90 working days.

- The detailed video/ audio lectures shall be uploaded on the college website to facilitate learning while at home.
- Students of one class shall not mingle with students of another class.
- Sports and other extracurricular activities are strictly banned.

Activities During ‘COVID – 19’:

All the staff members participated in Online FDP’s / Webinars conducted by various colleges on different topics including academic and pandemic awareness workshops. Some of the departments organized online webinars, quizzes for students. Online classes are being engaged from April, 2021 through different online applications like Zoom and Google Meet and completed the I semester syllabus 100%, 75% syllabus of 4th & 6th Semesters and 20% syllabus of II Semester of all the UG&PG Courses. Students are given assignments through Google Class Room.


PRINCIPAL
AG & SG Siddhartha Degree College of
Art & Science (Autonomous), Vuyyuru