

ST. ALBERT'S COLLEGE (AUTONOMOUS)

St. Albert's College has a history of 70 years of selfless service in the field of higher education and has been producing committed dynamic leaders for society. The campus is situated in the heart of the Kochi city, the 'business capital' of Kerala. The College is affiliated to Mahatma Gandhi University and is functioning under the management of the Archdiocese of Verapoly. When it was started in 1946, the college was affiliated to the University of Madras. In 1958, when the Kerala University Act came into force, the affiliation was shifted to Kerala University and subsequently, in 1983 when the Mahatma Gandhi University was established, the College came under The Mahatma Gandhi University. The College comes under Section 2(f) and 12(B) of the UGC Act. **In 2009, the National Assessment and Accreditation Council (NAAC) awarded A grade to the College, in the re-accreditation process. The Peer Team has observed, 'obtaining autonomy' as one of the Institutional Opportunities.** The college received **ISO 9001: 2008 certifications** in 2010 after the audit conducted by TÜV Rheinland and surveillance are conducted every year. The College has been selected for the award of '**Star College Status**' by the Department of Biotechnology, Government of India in 2013. The College is a backward minority educational institution covered under article 30 of the constitution of India.

The college is conducting seventeen undergraduate courses, twelve postgraduate courses and research programs in six disciplines. The College has adequate infrastructural facilities like class rooms, laboratories, library, Seminar hall, Auditorium, play grounds, sophisticated laboratory equipment etc. The management is keen in augmenting and maintaining infrastructure facilities.

DEPARTMENT OF B.VOC RENEWABLE ENERGY

Vocational, or skills-based, education is becoming significant in today's perspective as the industry expects all its new employees to have necessary skills at the workplace. Nearly 95 per cent of India's labour doesn't possess formal vocational skills and the skills gaps in Indian organisations are the highest globally compared to the western countries according to the recent The City and Guilds Group's Skills Confidence report 2016. To address the gap and unemployable situation and ensure that the students have adequate knowledge required for various industries, the University Grants Commission (UGC) launched Central Sponsored Scheme of B. Voc degree courses in 2013. This scheme launched B.Voc programmes under the National Skills Qualifications Framework (NSQF) which are approved for 127 universities and colleges to impart knowledge and skills for employment and entrepreneurship to graduates of higher education system.

St. Albert's college (autonomous), Ernakulam, Kerala have also taken part in the mission of UGC in 2014 by starting a new B. Voc degree course in Renewable Energy. We have developed our own curriculum for B.Voc Renewable energy degree programme with the involvement of Industry. We are offering the syllabus which consists of general education components and skill components. The skill component includes core courses, project, one month Hands on Training (HOT), one month On Job Training (OJT) and one and half month final project for the students. We also offer academic flexibility to the students as candidates from any stream can join the programme. If the students successfully complete the first year and second year they will award diploma certificate and advance diploma certificate in B. Voc renewable energy respectively. Those who successfully complete the third year will award B. Voc degree in renewable energy. We have presently 32 students in third year, 47 students in second year and 56 students in first year. B. Voc. Renewable energy degree course studying in our college they are affiliated to Mahatma Gandhi University, Kottayam, Kerala. We became autonomous in 2016 and we have 97 students total in our first last two autonomous B. Voc renewable energy batches.

Curriculum Design and Development

- ❖ We have developed our own curriculum for B.Voc. Degree programmes with the involvement of industry
- ❖ A curriculum design workshop was conducted on 21st October 2014

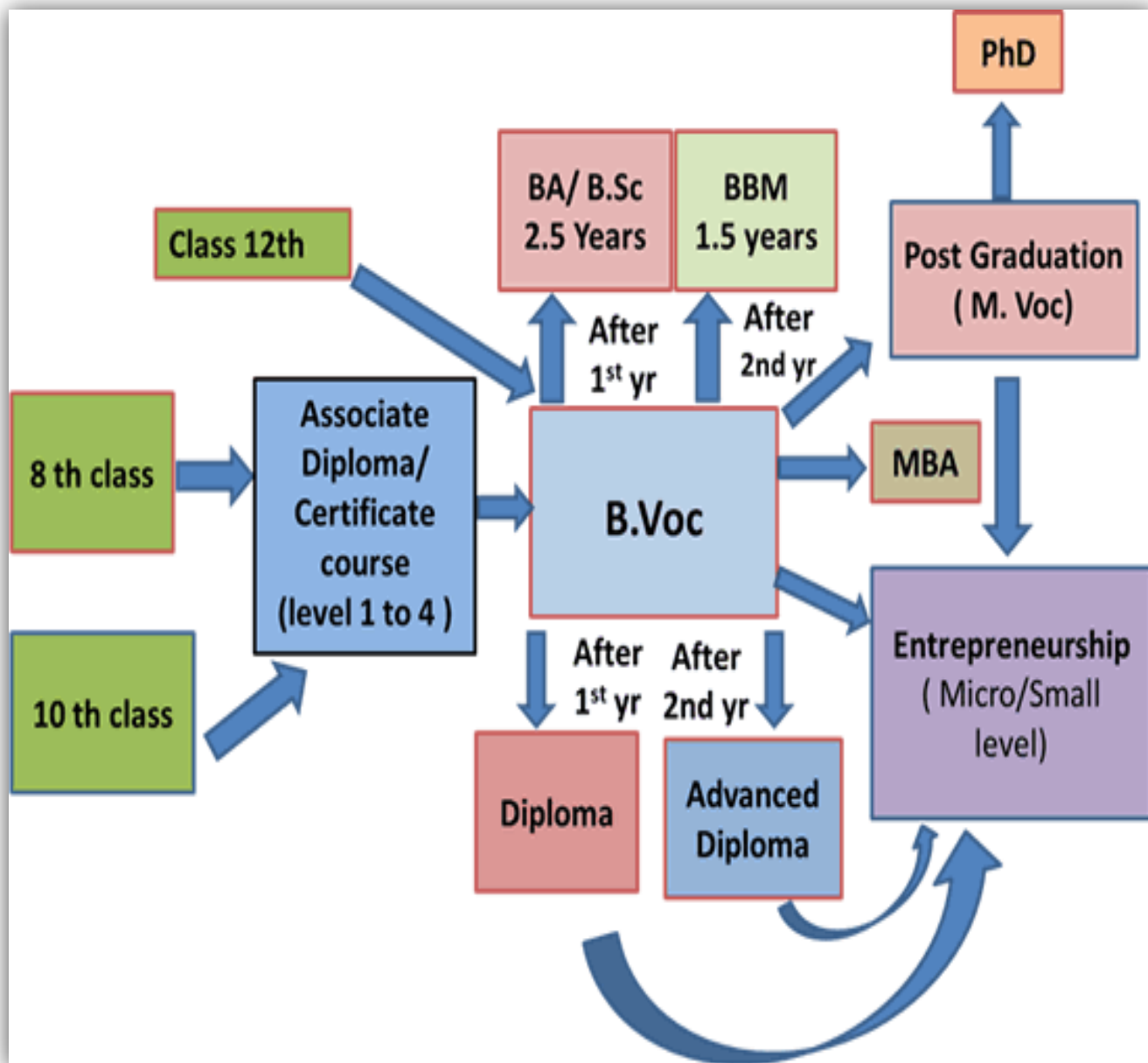
Curricular Planning and Implementation

- ❖ Curriculum was planned giving due importance to the development of skill in the respective areas – Industry linkages
- ❖ It was planned for a student intake of 50
- ❖ The designed curriculum was approved by the University
- ❖ Necessary infrastructure including labs were established/installed as per the requirements in the curriculum

Academic Flexibility

- ❖ Candidates from any stream can join the programme
- ❖ Multiple intake and exit points
- ❖ Transition to higher degree programmes including M.Voc Renewable Energy, M.Sc. Renewable Energy or MBA

B.VOC COURSE OPPORTUNITIES (MULTIPLE ENTRY AND EXIT POINTS)



STAFF PROFILE

NAME	DESIGNATION	QUALIFICATION
Rev. Fr. John Christopher Vadassery	Nodal Officer	MCA
Ms. Cicily Antony	HOD in charge & Asst. Professor , Department Treasurer, Examination Committee Member	M.Tech (ECE)
Ms. Greeshma S	Asst. Professor, Department Secretary, Placement Co ordinator	M. Tech (EEE)
Ms. Jyothy Mol J	Asst. Professor IEDC Co ordinator Sports Co ordinator	M. S c Chemistry
Ms. Sanju Augustin	Asst. Professor DQAC Co ordinator	M.Sc Physics
Ms. Nithya S Menon	Asst. Professor Arts Co ordinator UBA Co ordinator	M.Sc Physics, B.Ed

RESEARCH ARTICLES PUBLISHED BY STAFF

NAME	TITLE	NAME OF JOURNAL	YEAR
Ms Greeshma S	Grid Connected Self Synchronized Inverter	IOSR Journal of Electrical and Electronics (IOSR – JEEE)	2017
Ms. Pearl Antonette Mendez	Design of Underwater wireless optical/acoustic link for reduction of back-scattering of transmitted light.	The International Journal Of Engineering And Science (IJES)	2015
Ms. Pearl Antonette Mendez	A Comparative Study of Underwater Wireless Optical Communication for Three Different Communication Links.	IOSR Journal of Electronics and Communication Engineering (IOSR-JECE)	2015
Ms. Pearl Antonette Mendez	Mechanical Characterization of Shape Memory Alloy Based RF MEMS switch using ANSYS	The International Journal Of Engineering And Science (IJES)	2015
Ms.Pearl Antonette Mendez	A Comparative Study of Robust Blind Image Watermarking Scheme for Image Authentication Using DNA Encoding, Optimal Wavelet Basis & Discrete Wavelet Transform	International Journal of Innovative Research in Computer & Communication Engineering (IJRCCE)	2015
Ms.Cicily Antony T	PV and Wind Energy Harvesting System With Multi-rectifier Stage For Grid Application.	IJERT,	2014
Ms.Cicily Antony T	Fault Tolerant Capability of Five Phase BLDC Motor with Ten Step commutation	IJAREEIE	2014

Ms.Cicily Antony T	A Solar Energy Harvesting System With Multi-rectifier Stage	IJAREEIE	2013
Ms.Cicily Antony T	A Solar Energy Harvesting System With Multi-rectifier Stage	IJAREEIE	2013

STUDENT PARTICIPATION

NAME	CLASS	ACHIEVEMENT
Mr.MUHAMMED AFSAL	Renewable Energy II	First prize in M G University youthfestival-Duffmuttu
Mr.ADRIAN JOHNSON	Renewable Energy II	Third price -Fencing competition
Mr. ROBIN ALBY	Renewable Energy I	First prize in football tournament
Mr. DANISH DOMINIC	Renewable Energy I	First prize in football tournament

Department Association Inauguration

The department Association was Inaugurated on 4th October 2018 by Mr. Muhammed Shafeeq (CEO, Sunglow energy solutions pvt Ltd, Thrissur) in the Bernard hall. He also delivered a talk on the topic “Entrepreneurship in Renewable Energy Industry



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Albertian Knowledge Summit 2018-19

Jan 10th, 2019

As a part of the Albertian Knowledge Summit 2019, the Department of Renewable Energy organized a talk on “Role of operation & maintenance in optimizing solar power plant’s performance” in the Bernard hall by Mr. Jose Kallookaran C, President of Kerala Renewable Energy Entrepreneurs & Promoters Association (KREEPA), MD of KC Koppar Energy Solutions Pvt Ltd & Principal of Mithradham Renewable Energy center. Fr. John Christopher Vadassery (Vice Principal, St Albert’s College (Autonomous)) presided over the function & Dr. Rosalind Gonzaga (Vice Principal, St Albert’s College (Autonomous)) felicitated the gath

Intra Departmental Sports Meet

The Intra Departmental Sports meet was conducted on Jan 16th 2020 at the Albertian Sports Campus, Kaloor. Principal of St Albert's College (Autonomous), Dr. M.L. Joseph inaugurated the program and flagged off the mass run. Different competitions were held for the students like 100m, 200m, 400, 800m, 1500m race, Vertical broad jump & lemon spoon race and winners were awarded medals. The 2018-21 batch students bagged the overall trophy while the 2017-20 batch emerged second.

"LETS NURTURE THE NATURE, SO THAT WE CAN HAVE A BETTER FUTURE"

B.Voc Renewable Energy is a Royal course which strictly concentrates towards building up skilled work men in the capacity building of Renewable Energy industry. The course has enabled the students to equip the basic skills in understanding the concept, theory and practical experience in Renewable Technologies along with an Industrial exposure. The Renewable energy industry is developing at a faster rate with huge career potential in Sustainable energy sector. India has set an ambitious target 100GW of solar by 2022, which will generate huge career opportunities.

The course curriculum is tailored to include academic skills and industrial exposure equally enriching B.Voc Renewable energy a completely Job Oriented course with hundred percent Job placement. St Albert's has initiated this course to develop and establish a RE centre in the city and create a platform to build up RE enthusiast youth and contribute towards regions sustainable developments.

The Albert's vibrant campus along with dedicated management and a committed faculty crew makes B Voc Renewable a course professional academia narrowing the gap between the Nature and society.

"EARTH PROVIDES ENOUGH TO SATISFY EVERY MAN'S NEEDS, BUT NOT EVERY MAN'S GREED. "

MAHATMA GANDHI