

SELF STUDY REPORT

FOR ACCREDITATION OF

**Dr N.T.R. COLLEGE OF AGRICULTURAL ENGINEERING
BAPATLA**



ACHARYA N.G. RANGA AGRICULTURAL UNIVERSITY

**Dr N.T.R. COLLEGE OF AGRICULTURAL ENGINEERING
BAPATLA - 522 101**



2020





Self Study Report 2020

Ph.D. Programme



**Dr N.T.R. College
of Agricultural
Engineering,
Bapatla - 522 101
Andhra Pradesh**

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**SELF STUDY REPORT FOR ACCREDITATION OF
PROGRAMME
Ph.D. (Agricultural Engineering)
Dr NTR College of Agricultural Engineering, Bapatla**

6.4.1 Brief History of the Degree Programme

Ph.D. (Agricultural Engineering) programme was initiated during the year 2012-13 in three Departments of Farm Machinery and Power Engineering, Processing and Food Engineering and Soil and Water Engineering. Ph.D. students are supported with a monthly stipend of Rs.10,000/-. ICAR specified syllabus is being followed for teaching Ph.D. (Agricultural Engineering) courses.

6.4.2 Faculty Strength

There is no separate faculty for running the Ph.D. (Agricultural Engineering) programmes. Faculty of the College is shown under Section 6.4.2 of B.Tech. (Agricultural Engineering) degree programme are responsible for running the Ph.D. (Agricultural Engineering) programmes also.

6.4.3 Technical and Supporting Staff

There is no separate Office and Laboratory Staff for running the Ph.D. (Agricultural Engineering) programmes. Office and Laboratory Staff of the College is shown under Section 6.4.3 of B.Tech. (Agricultural Engineering) degree programme are responsible for running the Ph.D. (Agricultural Engineering) programmes also.

6.4.4 Classrooms and Laboratories

There are 3 dedicated classrooms with good lighting and ventilation being used for Ph.D. (Agricultural Engineering) degree programmes in three specializations of Farm Machinery and Power Engineering, Processing and Food Engineering and Soil and Water Engineering for conducting theory classes. These classrooms are equipped with LCD projector, chalk board, furniture, etc. Each department is having different laboratories as mentioned under Section 6.4.4 of B.Tech. (Agricultural Engineering) degree programme to conduct the practical classes regularly.

6.4.5 Conduct of Practical and Hands-on Training

Practical classes are conducted in respective laboratories as per class Time-Table with the instruments, equipment, machinery, etc. available.

6.4.6 Supervision of Students in Ph.D. Programmes

All classrooms, laboratories, examination hall, all premises of the College, etc. are connected with surveillance CC cameras to monitor the teaching activities and being monitored continuously. Video of each camera is recorded in the system.

6.4.7 Feedback of Stakeholders (Students, Parents, Industries, Employers, Farmers, etc.)

Students are very happy with the conduct of the Ph.D. (Agricultural Engineering) academic programme being handled at Dr N.T.R. College of Agricultural Engineering, Bapatla.

Feedback of Ph.D. (Agril Engg) Passed Out Students

I Samreen (BEP-15-005) of the Dr. N.T.R College of Agricultural Engineering, Bapatla profoundly express our inherent and imbibed sense of thankfulness and gratitude for transforming a simple academic student into well formed graduate and tangible human being in connection of agriculture through STEM (Science, Technology, Engineering and Mathematics).

We have been discussed many milestones and ideal personalities, individuals and team that strived hard for upliftment of farming community through transfer of technology during class room interaction and other practical platforms. It was a wonderful academic decision made by many of us to choose Dr. N. T. R CAE for carrying out studies.

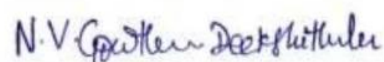
Finally we can joyfully figure Dr. N.T.R CAE, Bapatla as “an institution for expansion, excellence and employability of the students and graduates for inculcating knowledge, skills and attitude for life learned lessons as an individual and also having been as Agri technocrat.



(Samreen)
BEP-15-005
Ph. D, Dept of PFE
Dr. N.T.R CAE, Bapatla

I N.V. Gowtham Deekshithulu (BEP-16-08) studied Ph.D in the department of Soil and Water Engineering from 2016-2019 at College of Agricultural Engineering, Bapatla. It was a good opportunity to share my feelings towards the teachers in my study period. The expertise teaching of faculty has put our minds at ease and comfortable in classroom environment. Irrespective of subjects, I have learnt many things from the faculty like ethics, etc that are inspired me a lot and kept my path in right way of living. The support that was given by the faculty in the project time was unimaginable. A lot more things from the campus make me as an Assistant Professor in Aditya Engineering College after my completion of Ph.D. I would like to acknowledge each faculty who raised me up in my growth.

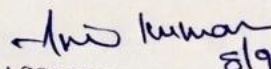
Yours Sincerely,



I submit to state that, I had completed my Ph. D (Agril. Engg) in Department of Farm Machinery and Power Engineering in Dr. NTR College of Agricultural Engineering, Bapatla in the year 2019. I would like to thank each and one who had supported me in completing my Ph. D programme. Professors in the Department of Farm Machinery and Power Engineering are well experienced in sharing the knowledge, motivate and supportive to the students in completion of research work and guide them in choosing the right path in their career. Department has well established laboratories (Workshop & Farm Machinery) and experienced technical staff to carry out the research work. Thank you for giving me the opportunity and it is really a great privilege to share my experience with the college and with my department.

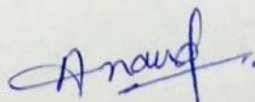
Thanking you,

Yours faithfully,


8/9/2020
ASSISTANT PROFESSOR
(D. Anil Kumar)
Dept. of Farm Machinery & Power Engineering
College of Agricultural Engineering
Kandi-502285, Sangareddy Dist. T.S.
PITS. Agricultural University

My self Dr. Ananda Babu Dara studied Ph.D (Agricultural Engineering) during the year 2013 in the Department of Farm machinery and power engineering at Dr. N.T.R College of Agricultural Engineering & Technology, Bapatla. So I'm sharing my views regarding the department. My Department has excellent faculty members and well experienced persons, they taught the subjects very polite and innovative manner. I learn more theoretical knowledge from the subjects and receive so many new ideas from my faculty members. Department have good laboratory for practical work regarding the subjects and also project work. The well experienced technicians are available for helping the practical and project work.

Thanking you sir


Yours Sincerely
Dr. Ananda Babu Dara

6.4.8 Student Intake and Attrition in the Programme for Last Five Years

Admission process carried out to the Ph.D. programmes is through entrance examination (SRF) conducted by the ICAR every year (since 2018-19) and interview performance as per the reservation policy of the state. Earlier ANGRAU conducted the entrance examinations in each specialization based on the M.Tech. (Agricultural Engineering) syllabus. Apart from regular admission, over and above, 15% of students secure admission under ICAR quota with ICAR fellowship. There is a provision of one seat for regular students in each Department and one seat altogether for in-service faculty of ANGRAU. Of late, 53 students have enrolled to Ph.D. programme. The College has 32 doctoral students on roll during the academic year 2019-20.

Student Intake and Attrition for the College in Ph.D. Programmes									
Year	Intake			Attrition			Attrition (%)		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Ph.D. (Farm Machinery and Power Engineering)									
2015-16	1	1	2	0	0	0	0	0	0
2016-17	2	0	2	0	0	0	0	0	0
2017-18	2	0	2	0	0	0	0	0	0
2018-19	0	2	2	0	1	1	0	50	50
2019-20	2	1	3	0	0	0	0	0	0
Ph.D. (Processing and Food Engineering)									
2015-16	0	5	5	0	0	0	0	0	0
2016-17	2	0	2	0	0	0	0	0	0
2017-18	1	0	1	0	0	0	0	0	0
2018-19	1	0	1	0	0	0	0	0	0
2019-20	0	1	1	0	0	0	0	0	0
Ph.D. (Soil and Water Engineering)									
2015-16	2	1	3	0	0	0	0	0	0
2016-17	6	0	6	0	0	0	0	0	0
2017-18	2	1	3	0	0	0	0	0	0
2018-19	1	2	3	0	0	0	0	0	0
2019-20	1	1	2	0	0	0	0	0	0

6.4.9 ICT Application in Curricula Delivery

The College is having smart classrooms, interactive board, audio visual facilities, etc. for teaching and for conducting seminars and progress of the students' projects. Teachers are

using these facilities regularly to deliver course lectures with power point presentation. Students are encouraged to deliver presentations through power point presentations.

6.4.10 SSR of the Ph.D. (Agricultural Engineering) Degree

Self study report of the Ph.D. (Agricultural Engineering) programme of Dr N.T.R. College of Agricultural Engineering, Bapatla is here with submitted.

6.4.11 Certificate

I, the Associate Dean of the Dr NTR College of Agricultural Engineering, Bapatla, Andhra Pradesh hereby certify that the information contained in Sections 6.4.1 to 6.4.9 are furnished as per the records available in the college and degree awarding university.


30/09/2020
Signature of the Associate Dean with Date and Seal
Associate Dean
Dr NTR College of Agril. Engineering
BAPATLA-522 101, A.P.