

7.2.1 Describe at least two institutional best practices (as per NAAC Format)

1. Title of the Practice:

Student involvement in Extension and Outreach community service activities through NSS in nearby adopted villages

2. Objectives of the Practice:

- To develop leadership and community development attitude among the students.
- To generate awareness into society towards Environment, Health and ethical responsibilities among the villagers
- To develop interactive network with the community to serve the nation
- To sensitize students for paying back to society
- By adopting a village and to maintain consistency in conducting various social activities
- To develop organizational and communication skills among students

3. The Context

The institute conducts its NSS activities throughout the academic session as a team work of NSS volunteers under the active guidance and leadership of program officer. Giving back to the community creates in the student the values of holistic development, exponential learning and national reconstruction. The Extension activities of the College inculcates the spirit of voluntary work among students through sustained community interaction. It brings our academic institutions closer to the society. It is a link between the campus and the community, college and village, knowledge and action. The ultimate objective is to channelize youth energy for the national reconstruction. The NSS unit commit the student youth to work practically and enthusiastically in the adopted villages by involving them as NSS volunteers with the purpose of inculcating awareness in rural community regarding education, prevention of disease. The NSS volunteers work with the rural community. Moreover, a wide range of activities like Cleanliness, Personal Health, Plantation, Voter Awareness Program, Practice of "Yoga", Observance of important days and Awareness Campaign are organized during special camps in the nearby villages. The college through these extension provides the students a platform to get involved with real life activities and the thereby become responsible citizens of India.

4. The Practice

The college annually organizes number of extension and outreach activities with primary focus on the development of personality of students through community services. Activities like NSS special camp, awareness rallies, cleanliness drive, blood donation camp, health checkup camp, plantation in the college and at the NSS special camp site are organized by the college. Health checkup camp and Yoga training is conducted in NSS camp for the students and villagers.

- N.S.S. volunteers donate their labour for village cleanliness and institutional premises. They generate awareness regarding cleanliness among villagers through collaborative work. Students participate in Swachh Bharat Campaign, Tree Plantation Program, Sanitization, Say No to Plastic, etc. programs in the nearby adopted villages.
- Blood donation camps and Health check-up camps are arranged under the aegis of Model Blood Bank, SVRR Government General Hospital, Tirupati, Sri Venkateswara Institute of Medical Sciences (SVIMS), Tirupathi, Primary health Care center, Mangalam, Vasan Eye Care Hospital, Tirupathi, Sankalpa Super Specialty Hospital, Tirupathi, Kamakshi Dental Hospital, Tirupathi, Vennela Eye Care Center, Tirupathi, Govt. Hospital, Chittoor, Micro Labs, Tirupathi, Krishna Dental Hospital, Tirupathi and SVR Dental Clinic, Tirupathi.
- For Women Empowerment and Protection an awareness program on Disha APP, Beti Bachao, Beti Padaho etc. programs were arranged.
- The College has adopted 5 villages in the vicinity as part of the Central Government UBA Programme to render their social services to the community.
- The College works with the people of the said villages to identify developmental challenges and evolve appropriate solutions to accelerate sustainable growth
- The College conducted an economic survey of 5 Panchayat/ villages viz, Perumalla Palli, Mare Palli, Mambedu, Kurivi Kuppam and Veduru Kuppam.

5. Evidence of Success

Through these activities, students are motivated and get an opportunity to do social work and develop sense of nationality and has imparted values such as

charity, selflessness and discipline. Special camps and rallies on social issues expose the students to the need of the community and various activities involve them in the problem solving process. Medical health checkup and blood donation camp create among the volunteers a sense of social responsibility, residential camps build a competency for group living and community sharing. The volunteers involve in different activities also acquire leadership qualities leading to national and social harmony. There was A change in villager's attitude towards cleanliness was clearly evident, Calls and invitations were received from the villagers to the college to organize more training and guidance sessions on Yoga and Medical Camp, the organizational skill among the students appeared to be enhanced while organizing various programmes in the college. These events helped the college, staff and students connect with the rural people and helped in creating a good rapport between the people and the college.

6. Problems Encountered and Resources Required

Though N.S.S. volunteers are committed to work for the cause of community and society, yet it is very difficult for them to live up to the high expectations of the people. They have to perform numerous tasks in a relatively short period of time, while completing their degree courses. They are bounded by rules and regulations. Participation of the villagers was comparatively less during day time owing to their engagement in agricultural activities.

They come across some practical problems while performing various awareness campaigns. One such common problem is that some villagers are reluctant to cooperate with the volunteers and adamant about their notions. Organizers too, come across various problems. Selecting a proper place for the camp is a tough task. However, problems are overcome and activities go forward in the direction of success. Sufficient funds should be allocated for NSS activities.



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Metric 3.4.3: Number of Extension and Outreach programs conducted by the institution through NSS during the last five years

Summary Sheet

Academic Year	Number of Extension and Outreach programs
2021 – 2022	16
2020 – 2021	03
2019 – 2020	07
2018 – 2019	07
2017 – 2018	07


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Academic Year: 2021 – 22

List of Extension and Outreach Activities

S. No.	Name of the program	Place	Dates	No. of participants
1	Awareness Program on DISHA APP for girls & Women staff	Virtual Program	13/07/2021	75
2	Swachh Bharath campaign at Renigunta	Karimariamman Temple, Renigunta	17/12/2021	50
3	AICTE FIT India Challenge under Azadi ka Amrit Mahotsav	SRET open Auditorium	20/12/2021	All Staff & Students
4	Tree Plantation Programme at college	On Occasion of AP CM's Birthday	21/12/2021	30
5	COVID Vaccination Drive for 18 years students	SRET Campus	04/01/2022	82
6	75 Suryanamaskar programme under Azadi ka Amrit Mahostav	SRET open Auditorium	11/01/2022	All Staff & Students
7	Rangoli Sajao program under Azadi ka Amrit Mahostav	SRET Campus	12/01/2022	30
8	Blood Donation Camp By Model Blood Bank, SVRRGH, Tirupati	SRET Campus	12/03/2022	85
9	Sanitization programme at village	Annaswamipalle village	14/03/2022	50
10	Tree Plantation programme at village	Annaswamipalle Village	15/03/2022	30
11	Free Eye Check-up camp at village in association with Vasan Eye Care, Tirupati	People From Annaswamipalle Village	16/03/2022	85
12	Interaction Programme with ZPH school students about physical and mental ability	Students of ZPP high School, Annaswamipalle	17/03/2022	50

13	Say no to Plastic drive at village	Cleaning the Surroundings at Annaswampalle	18/03/2022	50
14	General Health Check-up in association with Sankalpa Hospital, Tirupati	People From Annaswampalle	19/03/2022	72
15	Eye and Diabetic Check-up camp in association with Sankalpa Hospital & Vasan Eye Hospital, Tirupati	Teaching and Non-Teaching Staff from SRET	31/03/2022	112
16	Bio Diversity at Seshachala Forest	Participants From SRET	07/04/2022 & 08/04/2022	30


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Academic Year: 2020 – 21

List of Extension and Outreach Activities

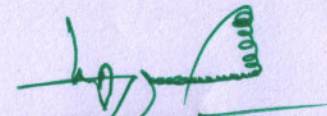
S. No.	Name of the program	Place	Dates	No. of participants
1	School cleaning program at MPP School	Annaswamipalle Village	16/11/2020	50
2	Sanitization at Venkatpuram	Venkatpuram Village	9/12/2020	25
3	Free Eye Check-up camp	Annaswamipalle Village	18/02/2021	75

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Academic Year: 2019 – 20

List of Extension and Outreach Activities

S. No.	Name of the program	Place	Dates	No. of participants
1	Tree Plantation Program by Sri.K.S. Nanjundappa, DSP, Renigunta Circle	SRET campus	31/07/2019	30
2	Cyber Mithra program for Girls students of SRET & SR junior college by Sri.S.V. Chandra Sekhar, DSP, Alipiri P.S	SRET campus	16/8/2019	200
3	Awareness Program on Anti-ragging By Sri.K. RamaRaju, CI, Renigunta P.S	SRET campus	28/08/2019	250
4	Blood Donation Camp by SVIMS, Tirupati	SRET campus	07/11/2019	80
5	Farming by Students under Rythu barosa kendram, Annaswamipalle	Annaswamipalle Village	23/12/2019	30
6	Dental Camp by Kamakshi Sai Dental Hospital, Tirupati	Annaswamipalle Village	27/12/2019	45
7	Free eye check-up camp by Vennela Eye care hospital, Tirupati	Annaswamipalle Village	24/01/2020	50



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Academic Year: 2018 – 19

List of Extension and Outreach Activities

S. No.	Name of the program	Place	Dates	No. of participants
1	Blood donation Camp by Govt.Hospital, Chittoor	SRET campus	10/08/2018	76
2	Anti-Ragging Rally Association with Tirupati Urban Police Department	SV University Road Tirupati	17/10/2018	90
3	Anti-corruption rally under Vigilance Awareness week	Mahati auditorium to Gandhi Road Tirupati	29/10/2018	100
4	Essay Writing competition on corruption free India under vigilance awareness week	SRET campus	02/11/2018	45
5	Skin camp by Micro labs	SRET campus	15/02/2019	65
6	Dental and Blood Grouping Camp by Krishna Dental Hospital, Tirupati	SRET campus	20/03/2019	180
7	Dental Camp for Villagers by SVR Dental Hospital, Tirupati	Annaswamipalle Village	26/04/2019	45



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Academic Year: 2017 – 18

List of Extension and Outreach Activities

S. No.	Name of the program	Place	Dates	No. of participants
1	Blood donation camp by SVIMS, Tirupati	SRET campus	15/09/2017	50
2	School Cleaning Program	MPP School, Annaswamipalle Village	18/12/2017	40
3	Dental camp by Meghana Dental hospital	SRET campus	20/02/2018	55
4	Built a Road from village to Burial Ground at Marrimandha	Marrimandha Village	15/03/2018	50
5	Swachh Bharat program at village surroundings	Marrimandha Village	17/03/2018	50
6	Eye camp for Villagers by Vasani Eye Care Hospital, Tirupati	Venkatapuram Village	22/03/2018	62
7	Tree Plantation	SRET campus	17/04/2018	30

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7.2.1 Describe at least two institutional best practices (as per NAAC Format)

1. Title of the Practice:

Student Centric Effective Teaching-Learning Process

2. Objectives of the Practice:

- To create a student-centric learning environment
- Changing the traditional mode of teaching learning to innovative methods
- Making effective use of ICT
- Increasing the student's participation
- Creating awareness about the ICT tools

3. The Context

The problems like COVID -19 pandemic created lot of challenges in front of educational institutes. The teaching learning process became tough and challenging these days. For a past few decades it has been globally realized and accepted that the teaching learning approach has to be student centric for its best outcomes. A student centric teaching learning approach is one that keeps student in centre employing learning strategies focusing on students. As the institution believes that the student is the direct object and first beneficiary of education process it believes in employing a student centric teaching learning approach. Which include identifying the types of learners and dealing with them accordingly, modifying the existing modes of teaching by making them more flexible, rich in variety, interactive, experiential, practical and inclusive of technology; making relevant changes in schemes and methods of evaluation and assessment wherever possible and encouraging and motivating them for better performance. Also through Student centric approach the students and teachers communicate, organize, manage assignments and moreover will go paperless. It also aims to simplify creating, distributing, grading assignments and engaging students in learning online or remotely.

4. The Practice

Information & Communications Technology (ICT) enabled teaching methodologies are being followed by the faculty members in class rooms as a

complementary tool for conventional teaching methods. The use of multimedia teaching aids like, LCD projectors and internet enabled computer systems are usually employed in class room.

Different Stages are adopted in using ICT Methodology which are enlisted below:

Proper information about the course undertaken: Students are informed in the beginning of the session about their programme outcomes, programme specific outcomes and course outcomes in different ways such as college website, departmental notice boards and classroom interactions. And also through Canvas tool.

Identification of Slow and Advanced learners: Students are identified as slow and advanced learners and strategies are adopted accordingly. These learner types are identified through personal interaction and mentor mentee interactions and class tests. Tutorials and extra classes are held for the slow learners to bring them at par with other students, whereas advanced learners are assigned tasks such as project works, field work, assignments, presentations and seminars to promote them. Moderate types of learners are encouraged to improve their skills and fall in the category of advanced learners.

Incorporation of ICT in teaching learning: In order to make teaching learning more interesting and interactive, emphasis is given on involving ICT in teaching learning. Through Canvas tool students are provided e learning resources in the form of e-notes, e-assignments and presentations. Students are informed about various web resources they can consult for better learning.

5. Evidence of Success

Canvas tool has become a best practice in the delivery of academic classes during the lockdown time. It also made communication between teachers and students much easier in terms of assignments, quizzes, and tests. As a result of this strategy students were able to progress their courses without delay. This

practice has resulted in a marked increase in the pass percentage of students, who interact and actively take part in the lecture session.

6. Problems Encountered and Resources Required

- Adapting to the new method of teaching and creation of digital content was the challenging task for the faculty members which they have completed successfully.

- Student participation at the beginning of the course is less and at last after mentoring students have turned up.

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Name	Login ID	SIS ID	Section	Role	Last Activity	Total Activity
Bharath	Bharath8341		II B.Tech I sem. - FM&HM-2021-22	Student	Feb 13 at 9:56am	
D.BALAJI	dakkilbalu2000@gmail.com		II B.Tech I sem. - FM&HM-2021-22	Student	Apr 11 at 4:40pm	14:20
D.MADHUSUDHAN	dmadhusudhan17155@gmail.com		II B.Tech I sem. - FM&HM-2021-22	Student	Apr 17 at 9:59am	01:31:48
Buddha Dev	bbarath330@gmail.com		II B.Tech I sem. - FM&HM-2021-22	Student	Feb 15 at 4:23pm	15:22
dillibabu	dillibabu3788@gmail.com		II B.Tech I sem. - FM&HM-2021-22	Student	Apr 12 at 2:26pm	18:14
K. JAYACHANDRA (He/Him)	kjcskit@gmail.com		II B.Tech I sem. - FM&HM-2021-22	Teacher	Jun 30 at 5:19pm	12:31:53
K.M.Aravind	kotlaaravind030@gmail.com		II B.Tech I sem. - FM&HM-2021-22	Student	Apr 13 at 3:49am	44:56
K.Ruchiitha	kesaralaruchiitharuchiitha@gmail.com		II B.Tech I sem. - FM&HM-2021-22	Student	Apr 29 at 3:28pm	42:42
K.Yamuna	konetiymuna@gmail.com		II B.Tech I sem. - FM&HM-2021-22	Student	Apr 12 at 7:31pm	01:41:46
CH.PAVAN KALYAN	chinumullapavankalyan@gmail.com		II B.Tech I sem. - FM&HM-2021-22	Student	Apr 3 at 11:08am	26:40
Vangala Karthik	pending		II B.Tech I sem. - FM&HM-2021-22	Student		

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6 Student View

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Assignments

I st Batch ASSIGNMENT-1

Published Edit

1. A circular annular area of 2.0 m outer diameter and 1.0 m inner diameter is immersed vertically in water with the center of the area at 3.0 m below the water surface. Find the force exerted on one side of the area and the location of the centre of pressure.

2. Differentiate between U- tube differential manometers and inverted U-Tube differential manometers with neat sketch and equations obtained ?

Points 10

Submitting a file upload

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Feb 7, 2022	5 students	Feb 3, 2022 at 12am	Feb 14, 2022 at 11:59pm

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Due: Feb 7, 2022 at 11:59pm - II - FM&HM-2021-22

5/5 Graded 9.4 / 10 (94%) Average 1/5

Submitted: Feb 7, 2022 at 9:50am

Student Viewed Document: Feb 10, 2022 at 6:34am

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Assessment
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9.5

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A coaxial annular area of 2.0m outer diameter, and 1.0m inner diameter is immersed vertically in water, with the center of the area at 3.0m below the water surface. Find the force exerted on one side of the area and the location of the center of pressure.

Given data
outer diameter, $d_1 = 2\text{ m}$
inner dia $d_2 = 1\text{ m}$
 $y = 3\text{ m}$

to find:
total pressure $F = ?$

Gradebook - II B.Tech I sem(Civil)

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D.MADHUSUDHAN	9	9				
Buddha Dev						
dillibabu						
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K.Ruchitha					10	
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CH.PAVAN KALYAN			9	9		
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