



**AdusumilliGopalakrishnaiah & Sugarcane
Growers Siddhartha Degree College of Arts
and Science**

Autonomous College

NAAC 'A' Grade College

Vuyyuru, Krishna (Dt), Andhra Pradesh-521165

VALUE ADDED COURSE

TITLE: SOFT SKILLS DEVELOPMENT FOR PHYSICS STUDENTS

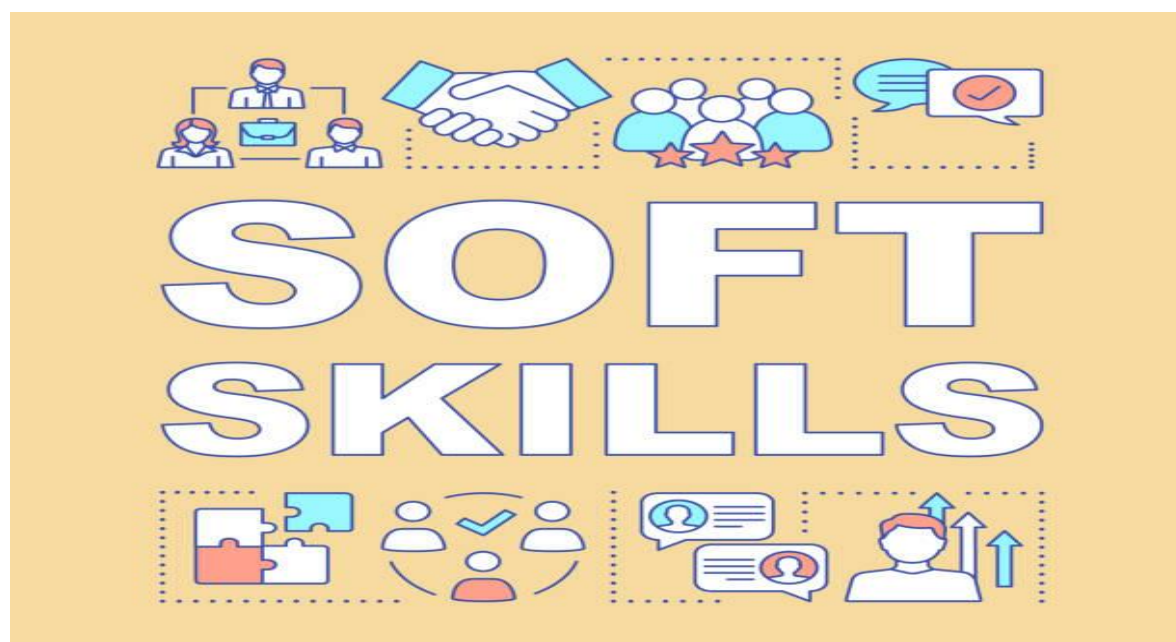
VAC CODE: PHYV5C

On 5th SEP 2022 TO 6th OCT 2022

Duration of the Course: 30 Days

Organized By

Department of PHYSICS



A.G. & S.G. Siddhartha Degree College of Arts & Science

Vuyyuru-521165, Krishna District, Andhra Pradesh
(Managed by: Siddhartha Academy of General & Technical Education, Vijayawada-10)
An Autonomous College in the Jurisdiction of Krishna University
Accredited by NAAC with "A" Grade

2022-2023



DEPARTMENT OF PHYSICS

Value Added Course/ Certificate Course

Title : Soft Skills Development For Physics Students

Name of the Lecturer	:	J. Hareesh Chandra
Class	:	III MPC
Duration of the Course	:	Thirty Days
VAC Code	:	PHYV5C

Objectives:

soft skills on emotional intelligence, anger management, human excellence, intellectual property right, science and spiritually etc.

Methodology :

Teacher - centered Method

Duration: 30 Days

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Value Added Course / Certificate Course

Title: soft skills development for physics students

Date: 5/09/2022 TO 6/10/2022

Date	Content	Module No
5/9/2022 TO 11/9/2022	emotional intelligence, anger management	I
12/9/2022 TO 19/9/2022	Human excellence, intellectual property right	II
20/9/2022 TO 28/9/2022	science and spiritually	III
29/9/2022 TO 6/10/2022	All round success through a balanced life	IV

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Value Added Course / Certificate Course


2022-23

Student Enrolment Sheet

Class: II BSC, MPC

S. No	Roll No.	Name of the Student	Signature
1	2031203	G.Sivani	G. Sivani
2	2031205	K.Sandhya	K. Sandhya
3	2031207	B.Kavitha	B. Kavitha
4	2031210	L.Hima Bindhu	L. Hima Bindhu.
5	2031212	C.Munni	C. Munni
6	2031216	C.Manoj	C. Manoj
7	2031217	P.Ganesh	P. Ganesh
8	2031220	D.V.S.Vamsi	D.V.S. Vamsi
9	2031222	A.Naga Sai	A. Naga sai
10	2031224	T.Vinod Kumar	T. Vinod Kumar
11	2031227	P.Smily	P. Smily
12	2031228	S.Ibrahim	S. Ibrahim
13	2031229	M.Sai Teja	M. Sai Teja
14	2031215	B.Poojitha	B. Poojitha
15	2031208	P.Mounika	P. Mounika


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Department of Physics


Value Added Course / Certificate Course

Title: soft skills development for physics students

Marks List

Class: II BSC, MPC

S. No	Roll No.	Name of the Student	Marks
1	2031203	G.Sivani	09
2	2031205	K.Sandhya	09
3	2031207	B.Kavitha	09
4	2031210	L.Hima Bindhu	08
5	2031212	C.Munni	09
6	2031216	C.Manoj	09
7	2031217	P.Ganesh	10
8	2031220	D.V.S.Vamsi	09
9	2031222	A.Naga Sai	10
10	2031224	T.Vinod Kumar	09
11	2031227	P.Smily	10
12	2031228	S.Ibrahim	08
13	2031229	M.Sai Teja	09
14	2031215	B.Poojitha	09
15	2031208	P.Mounika	09


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Value Added Course / Certificate Course - Attendance Register


Sl.No	Roll No	Student Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total
1	2031203	G.Sivani	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
2	2031205	K.Sandhya	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	14
3	2031207	B.Kavitha	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	14
4	2031210	L.Hima Bindhu	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	14
5	2031212	C.Munni	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	14
6	2031216	C.Manoj	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	14
7	2031217	P.Ganesh	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	14
8	2031220	D.V.S.Vamsi	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	14
9	2031222	A.Naga Sai	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	14
10	2031224	T.Vinod Kumar	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	14
11	2031227	P.Smily	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	14
12	2031228	S.Ibrahim	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	14
13	2031229	M.Sai Teja	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	14
14	2031215	B.Poojitha	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	14
15	2031208	P.Mounika	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	14

Class / Section: 11 B.S.C., MPC
Paper:

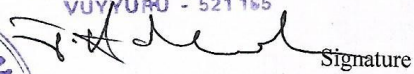
Year : 1st Year
Lecturer:

Department: PHYSICS

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Signature

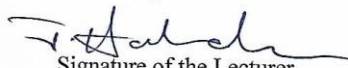
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Value Added Course / Certificate Course - Attendance Register

Sl.No	Roll No	Student Name	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	Total
1	2031203	G.Sivani	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	14
2	2031205	K.Sandhya	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	15
3	2031207	B.Kavitha	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	14
4	2031210	L.Hima Bindhu	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	14
5	2031212	C.Munni	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	14
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9	2031222	A.Naga Sai	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	14
10	2031224	T.Vinod Kumar	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	14
11	2031227	P.Smily	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	14
12	2031228	S.Ibrahim	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	14
13	2031229	M.Sai Teja	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	14
14	2031215	B.Poojitha	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	14
15	2031208	P.Mounika	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	14

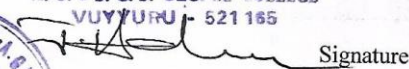
Class / Section: II B.Sc., MPC Paper:

Year : 2nd Lecturer:

Department : physics
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Department of Physics

Value Added Course / Certificate Course

Title: soft skills development for physics students

Feed Back Form

Name of the Student: K. sandhya

Class and Roll Number: 2031205

21. Is the programme interested to you (Yes/No)

22. Have you attended all the session (Yes/No)

23. Is the content of the program is adequate (Yes/No)


24. Have the teacher covered the entire syllabus? (Yes/No)

25. Is the number of hours adequate?
(Yes/No)

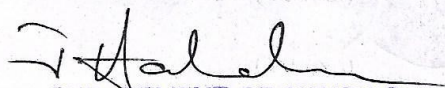
6. Do you have any suggestions for enhancing or reducing the number of weeks designed for the program? (Yes/No)

11. On the whole, is the program useful in terms of enriching your knowledge? (Yes/No)

8. Do you have any suggestions on the program? (Yes/No)


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Department of Physics

Value Added Course / Certificate Course

Title: soft skills development for physics students

2022-2023

Feed Back Form

Name of the Student: G. Sivani

Class and Roll Number: 2031203

21. Is the programme interested to you

(Yes/No) ✓

22. Have you attended all the session

(Yes/No) ✓

23. Is the content of the program is adequate

(Yes/No) ✓

24. Have the teacher covered the entire syllabus?

(Yes/No) ✓

25. Is the number of hours adequate? ✓

(Yes/No)


6. Do you have any suggestions for enhancing or reducing the number of weeks designed for the program? (Yes/No) ✓

11. On the whole, is the program useful in terms of enriching your knowledge?

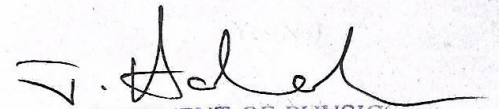
(Yes/No) ✓

8. Do you have any suggestions on the program?

(Yes/No) ✓


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Test Exercise:

1. Learning is more effective if
2. Life skills are helpful in developing the _____ and _____ behaviour of people
3. How many life skills are there
4. Exchange of ideas between two or more persons is
5. _____ Is the first enemy of communication
6. Communication is a part of _____ skills
7. Emotional intelligence characterised by
8. Emotional intelligence is different from other intelligences in that
9. _____ Is the best predictor of academic performance
10. Intellectual property right (IPR) protects the use of information and ideas that are of _____

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Key:

1. content is related to real life experiences
2. adaptable and positive
3. 10
4. Communication
5. Noise
6. Soft
7. Better interpersonal relation ship
8. The focus is on emotional reasoning, ability and knowledge
9. IQ
10. Commercial value

5) SOFT SKILLS DEVELOPMENT FOR PHYSICS STUDENTS

Module No -1

Soft skills are personality traits and behaviours. Unlike technical or 'hard' skills, soft skills are not about the knowledge but the behaviours which displayed by ones in different situations. Soft skills include any skill that can be classified as a personality trait or habit. Interpersonal skills and communication skills are more specific categories of soft skills that many employers look for in job candidates. There are many soft skills that could list on resume or cover letter.

Some of the most sought after soft skills include:

Effective communication skills

- Teamwork
- Dependability
- Adaptability
- Conflict resolution
- Flexibility
- Leadership
- Problem-solving
- Research
- Creativity
- Work ethic
- Integrity
- Broad types of soft skills,

which can read more about below, include:

Communication

- Problem-solving
- Creativity
- Adaptability

- Work ethic

- Importance of soft skills Soft skills play an important role in resume writing, interviewing and finding success in communicating with people at work and in other areas of the life.

For example, as we look for jobs, find that many employers list specific soft skills on their job posts in the ‘required’ or ‘desired’ sections. A job posting for a Human Resources associate may list ‘attention to detail’ as a desired trait, while a job for a Marketing Specialist could list ‘leadership’ and ‘great communication skills’.Soft skills are often transferable across careers and industries Soft skills list and example Soft skills are often innate personality traits, already possess several marketable soft skills that will help to get and be successful in a job.

Though many are formed with personality, soft skills can also be learned and developed with practice and experience. Here are few examples of key soft skills and how those skills can enhance ones performance during and after the job search process. Communication Effective communication skills will be helpful through the interview process and in career. The ability to communicate involves knowing how to speak with others in different situations or settings.

For example, when working with a team on a project, you may need to communicate when you believe that an idea or process is ineffective. Finding a way to tactfully and skillfully disagree with others on the job without creating conflict is an important skill that employers value.

Module No -2

Related communication skills:

Active listening

- Confidence
- Conflict resolution
- Organisation
- Problem-solving Employers highly value people who can resolve issues quickly and effectively. That may involve calling on industry knowledge to fix an issue immediately, as it occurs, or taking time to research and consult with colleagues to find a scalable, long-term solution.

Related problem-solving skills:

Creativity

- Research
- Risk management
- Teamwork
- Creativity

Creativity is a broad ability incorporating many different skill sets including other soft skills and technical skills. Employees with creativity can find new ways to perform tasks, improve processes or even develop new and exciting avenues for the business to explore. Creativity can be used in any role at any level.

Related creativity skills:

Curiosity

- Learning from others
- Open-mindedness
- Taking calculated risks
- Adaptability How easily do you adapt to changes? If you're working in a technology-driven field or start-up, adaptability is especially important. Changes in processes, tools or clients you work with can happen quickly.

Employees who are capable of adapting to new situations and ways of working are valuable in many jobs and industries.

Related adaptability skills:

Consistency

- Organisation
- Optimism
- Flexibility
- Work ethic Work ethic is the ability to follow through on tasks and duties in a timely, quality manner.

Module No -3

A strong work ethic will help to develop a positive relationship with the employer and colleagues even when developing technical skills in a new job. Many employers would rather

work with someone who has a strong work ethic and is eager to learn than a skilled worker who seems unmotivated.

Related work ethic skills:

Attention to detail

- Integrity
- Persistence
- Time management
- How to improve soft skills?

Many employers value strong soft skills over technical skills because they are often personality traits developed over a lifetime and can be difficult to teach. That being said, anyone can improve their soft skills with experience and practice. For example, an employer is seeking someone skilled in conflict resolution. While you may be naturally skilled at effective communication, it may help to practice working through conflicts with others.

There are several ways you can help improve your soft skills.

1. Pick a soft skill you want to improve and practice it consistently. You can improve any soft skill if you make it a practice. Most soft skills are a matter of routine. For example, you can practice dependability, both on the job and at home, by improving punctuality (showing up to work or events on time or early) and starting on projects at work earlier so you can complete them ahead of schedule.
2. Observe and mimic the positive soft skills you see in others. There are likely professionals you know or work with who have strengths in various soft skills. You may be able to develop integral soft skills by observing the practices of others and incorporating them into your own daily routine. You may find, for example, that effective communicators often write down notes when others are talking during meetings. This helps them organise their thoughts so they are prepared to ask and answer important questions. This is also an active listening practice that may be good to utilise as part of your own work.
3. Set milestone goals to improve soft skills. Set specific, measurable goals by carefully reading your performance reviews at work or asking trusted friends and colleagues for constructive criticism. This can help you to identify key areas of improvement for goal setting and areas of strength to highlight on your resume and in interviews. You can prioritise which soft skills to work on based on those that you need to get a certain job or move up in a career you already have.
4. Find resources to help you learn. You can find several resources to help you learn tactics for improving the soft skills you want to focus on like books, podcasts or online classes. While some require payment, many are free of cost and can be accessed at any time. You might try out few different types of resources to see which are best for your learning style.

Module No -4

VALUES

Values are principles, standards or qualities that an individual or group of people hold in high regard. These values guide the way we live our lives and the decisions we make. A value may be defined as something that we hold dear, those things/qualities which we consider to be of worth.

A 'value' is commonly formed by a particular belief that is related to the worth of an idea or type of behaviour. Some people may see great value in saving the world's rainforests. However a person who relies on the logging of a forest for their job may not place the same value on the forest as a person who wants to save it. Values can influence many of the judgments we make as well as have an impact on the support we give clients. It is important that we do not influence client's decisions based on our values.

We should always work from the basis of supporting the client's values. Where do values come from? Our values come from a variety of sources.

Some of these include:

Family

- peers (social influences)
- the workplace (work ethics, job roles)
- educational institutions such as schools or TAFE
- significant life events (death, divorce, losing jobs, major accident and trauma, major
- health issues, significant financial losses and so on) religion
- music
- media
- technology
- culture
- major historical events (world wars, economic depressions, etc).
- Dominant values Dominant values are those that are widely shared amongst a group, community or culture.

They are passed on through sources such as the media, institutions, religious organisations or family, but remember what is considered dominant in one culture or society will vary to the next.

Using the sources listed above, some of your values could be: family—caring for each other, family comes first

- peers—importance of friendship, importance of doing things that peers approve of
- workplace—doing your job properly; approving/disapproving of ‘foreign orders’ (doing home-related activities in work time or using work resources for home related activities)
- educational institutions—the valuing or otherwise of learning; value of self in relation to
- an ability to learn (this often depends on personal experience of schooling, whether positive or negative) significant life events—death of loved ones and the impact on what we value as being
- important; marriage and the importance and role of marriage and children; separation and divorce and the value change that may be associated with this (valuing of self or otherwise) religion—beliefs about ‘right and wrong’ and beliefs in gods
- media—the impact of TV, movies, radio, the Internet and advertising on what is
- important in our lives, what is valued and not valued music—music often reflects what is occurring in society, people’s response to things such
- as love and relationships which may then influence the development of our values technology—the importance of technology or otherwise; the importance of computers and developing computer skills culture—a cultural value such as the importance of individuality as opposed to
- conforming to groups major historical events—not wasting anything, saving for times of draught, valuing
- human life, patriotic values. It is important that you develop an awareness of what you value, as these values will be important in informing your relationships with clients, co-workers and employers. .

Exploring your values We are all influenced in varying degrees by the values of our family, culture, religion, education and social group. Knowing your own values can help you work effectively with clients, resolve conflicts and support the organisation’s philosophy of care appropriately.

Wherever our values come from they make us the unique person we are today! Pre-existing beliefs Beliefs come from real experiences but often we forget that the original experience is not the same as what is happening in life now. Our values and beliefs affect the quality of our work and all our relationships because what you believe is what you experience.

We tend to think that our beliefs are based on reality, but it is our beliefs that govern our experiences. The beliefs that we hold are an important part of our identity. They may be

religious, cultural or moral. Beliefs are precious because they reflect who we are and how we live our lives.

As a care worker in the community services industry, the pre-existing beliefs you may have could be related to stereotypes that have developed for you around issues like sexuality, alcohol and other drugs, ageing and disabilities, independence, health, the rights of people, your idea of health and what it's like to be older and/or disabled.

These stereotypes could affect the way you interact and work with clients. This is because you have assumptions about what your clients can and can't do for themselves, the way they should think about issues and what is best for them. If you make assumptions as a worker then you are denying clients their rights, respect and dignity. As a worker this would be regarded as a breach in your duty of care towards clients.

Awareness of personal attitudes It is good practice to think about your attitudes and beliefs: it helps you to understand yourself better. It is beneficial to reflect on your life, identify some of the significant events that have shaped you, consider what qualities you admire in yourself and others and be mindful of what values and are important to you. Attitude The word 'attitude' can refer to a lasting group of feelings, beliefs and behaviour tendencies directed towards specific people, groups, ideas or objects.

An attitude is a belief about something. It usually describes what we think is the 'proper' way of doing something. The attitudes that we feel very strongly about are usually called values. Other attitudes are not so important and are more like opinions.

Sometimes our own attitudes can make us blind to other people's values, opinions and needs. Attitudes will always have a positive and negative element and when you hold an attitude you will have a tendency to behave in a certain way toward that person or object. .

What we believe are important qualities, or what qualities we admire in ourselves and others, generally reflect our life experiences and the values which we established in our early years through the influence of family, teachers, friends, religion, our culture, our education



**ADUSUMILLI GOPALAKRISHNAH AND SUGARCANE GROWERS
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(AUTONOMOUS) VUYURU A.P
(Accredited at "A" level by NAAC, Bengaluru)**



Department of Physics

VALUE ADDED COURSE: *SOFT SKILLS DEVELOPMENT FOR PHYSICS STUDENTS*

CERTIFICATE

This is to Certify that .

Son/Daughter of Shri/Smt

has Successfully completed value added course in ***SOFT SKILLS DEVELOPMENT FOR PHYSICS STUDENTS***
Conducted by the Department of Physics from 5-09-2022 to 06-10-2022 . We wish him/her bright future

Co-ordinator

Head of Department

Principal