1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Environment and Sustainability, Human Values into the Curriculum

Index

Gender Equality

Event	Cultural Exchange Programme held at NCET. Delegates from different European countries participated in the programme. Mrs. Tejasvini Anantkumar, Smt. Madhuri Sahasrabudde and other Indian delegates were also present on the occasion.
Conducted on	25/11/2019

Event	Student voting awareness Campaign and NSS Activity
Conducted on	15/02/2019

Event	International Women's day celebration
Conducted on	08/03/2019

Event	Anti-terrorism day
Conducted on	21/05/2019

Event	International Yoga day
Conducted on	21/06/2019

Event	One Student One Tree Awareness Programme in the local schools.
Conducted on	19/08/2019

Event	One Student One Tree campaign at NCET
Conducted on	14/08/2019

Event	Engineers Day
Conducted on	16/09/2019

UNIVERSAL HUMAN VALUES 2: UNDERSTANDING HARMONY

Course Code	L:T:P:S	Credits	Exam Marks	Exam Duration	Course Type
19UHV47	2-1-0-3				

Universal Human Values 2: Understanding Harmony

Human Values Courses

This course also discusses their role in their family. It, very briefly, touches issues related to their role in the society and the nature, which needs to be discussed at length in one more semester for which the foundation course named as "H-102 Universal Human Values 2: Understanding Harmony" is designed which may be covered in their III or IV semester.

During the Induction Program, students would get an initial exposure to human values through Universal Human Values – I. This exposure is to be augmented by this compulsory full semester foundation course.

Universal Human Values 2: Understanding Harmony

Pre-requisites: None. Universal Human Values 1 (desirable)

1. **Objective:** The objective of the course is four fold:
   - Development of a holistic perspective based on self-exploration aboutthemselves (human being), family, society and nature/existence.
   - Understanding (or developing clarity) of the harmony in the human being, family, society and nature/existence
   - Strengthening of self-reflection.
   - Development of commitment and courage to act.

2. **Course Topics:** The course has 28 lectures and 14 practice sessions in 5 modules:

Module 1

Course Introduction - Need, Basic Guidelines, Content and Process for Value Education

Purpose and motivation for the course, recapitulation from Universal Human Values-I

Self-Exploration–what is it? - Its content and process; 'Natural Acceptance' and ExperientialValidation- as the process for self-exploration

Continuous Happiness and Prosperity- A look at basic Human Aspirations

Right understanding, Relationship and Physical Facility- the basic requirements for fulfilment of aspirations of every human being with their correct priority

Understanding Happiness and Prosperity correctly- A critical appraisal of the current scenario

Method to fulfil the above human aspirations: understanding and living in harmony at various levels.

Include practice sessions to discuss natural acceptance in human being as the innate acceptance for living with responsibility (living in relationship, harmony and co-existence) rather than as arbitrariness in choice based on liking-disliking

Module 2

Understanding Harmony in the Human Being - Harmony in Myself!

Understanding human being as a co-existence of the sentient 'I' and the material 'Body'

Understanding the needs of Self ('I') and 'Body' - happiness and physical facility

Understanding the Body as an instrument of 'I' (I being the doer, seer and enjoyer)

Understanding the characteristics and activities of 'I' and harmony in 'I'

Understanding the harmony of I with the Body: Sanyam and Health; correct appraisal of Physical needs, meaning of Prosperity in detail

Programs to ensureSanyam and Health. Include practice sessions to discuss the role others have played in making material goods available to me. Identifying from one's own life. Differentiate between prosperity and accumulation. Discuss program for ensuring health vs dealing with disease

Module 3:

Understanding Harmony in the Family and Society- Harmony in Human-Human Relationship

Understanding values in human-human relationship; meaning of Justice (nine universal values in relationships) and program for its fulfilment to ensure mutual happiness; Trust and Respect as the foundational values of relationship.

Understanding the meaning of Trust; Difference between intention and competenc

Understanding the meaning of Respect, Difference between respect and differentiation; the other salient values in relationship.

Understanding the harmony in the society (society being an extension of family): Resolution, Prosperity, fearlessness (trust) and co-existence as comprehensive Human Goals.

Visualizing a universal harmonious order in society- Undivided Society, Universal Order- from family to world family.

Include practice sessions to reflect on relationships in family, hostel and institute as extended family, real life examples, teacher-student relationship, goal of education etc. Gratitude as a universal value in relationships. Discuss with scenarios. Elicit examples from students' lives

Module 4:

Understanding Harmony in the Nature and Existence - Whole existence as Coexistence

Understanding the harmony in the Nature.
Interconnectedness and mutual fulfilment among the four orders of nature- recyclability and selfregulation in nature.
Understanding Existence as Co-existence of mutually interacting units in all-pervasive space
Holistic perception of harmony at all levels of existence. Include practice sessions to discuss human being as cause of imbalance in nature (film "Home" can be used), pollution, depletion of resources and role of technology etc.

Module 5:

Implications of the above Holistic Understanding of Harmony on Professional Ethics

Natural acceptance of human values
Definitiveness of Ethical Human Conduct
Basis for Humanistic Education, Humanistic Constitution and Humanistic Universal Order
Competence in professional ethics: a. Ability to utilize the professional competence for augmenting universal human order b. Ability to identify the scope and characteristics of peoplefriendly and eco-friendly production systems, c. Ability to identify and develop appropriate technologies and management patterns for above production systems.
Case studies of typical holistic technologies, management models and production systems
Strategy for transition from the present state to Universal Human Order: a. At the level of individual: as socially and ecologically responsible engineers, technologists and managers b. At the level of society: as mutually enriching institutions and organizations
Sum up. Include practice Exercises and Case Studies will be taken up in Practice (tutorial) Sessions eg. to discuss the conduct as an engineer or scientist etc.

3. Readings: 3.1

Text Book 1. Human Values and Professional Ethics by R R Gaur, R Sangal, G P Bagaria, Excel Books, New Delhi, 2010

Reference Books-3.2

1. Jeevan Vidya: Ek Parichaya, A Nagaraj, Jeevan Vidya Prakashan, Amarkantak, 1999.
2. Human Values, A.N. Tripathi, New Age Intl. Publishers, New Delhi, 2004.
3. The Story of Stuff (Book).The Story of My Experiments with Truth - by Mohandas Karamchand.
4. Gandhi Small is Beautiful - E. F Schumacher.
5. Slow is Beautiful - Cecile Andrews
6. Economy of Permanence - J C Kumarappa
7. Bharat Mein Angreji Raj - PanditSunderlal
8. Rediscovering India - by Dharampal
9. Hind Swaraj or Indian Home Rule - by Mohandas K. Gandhi
10. India Wins Freedom - Maulana Abdul Kalam Azad
11. Vivekananda - Romain Rolland (English)
12. Gandhi - Romain Rolland (English)

4. **Mode Of Conduct** (L-T-P-C 2-1-0-3 or 2L:1T:0P 3 credits)

Lectures hours are to be used for interactive discussion, placing the proposals about the topics at hand and motivating students to reflect, explore and verify them. Tutorial hours are to be used for practice sessions. While analysing and discussing the topic, the faculty mentor's role is in pointing to essential elements to help in sorting them out from the surface elements. In other words, help the students explore the important or critical elements. In the discussions, particularly during practice sessions (tutorials), the mentor encourages the student to connect with one's own self and do self- observation, self-reflection and self-exploration. Scenarios may be used to initiate discussion. The student is encouraged to take up" ordinary" situations rather than" extra-ordinary" situations. Such observations and their analyses are shared and discussed with other students and faculty mentor, in a group sitting. Tutorials (experiments or practical) are important for the course. The difference is that the laboratory is everyday life, and practical are how you behave and work in real life. Depending on the nature of topics, worksheets, home assignment and/or activity are included. The practice sessions (tutorials) would also provide support to a student in performing actions commensurate to his/her beliefs. It is intended that this would lead to development of commitment, namely behaving and working based on basic human values. It is recommended that this content be placed before the student as it is, in the form of a basic foundation course, without including anything else or excluding any part of this content. Additional content may be offered in separate, higher courses. This course is to be taught by faculty from every teaching department, including HSS faculty. Teacher preparation with a minimum exposure to at least one 8-day FDP on Universal Human Values is deemed essential.

Assessment: This is a compulsory credit course. The assessment is to provide a fair state of development of the student, so participation in classroom discussions, self-assessment, peer assessment etc. will be used in evaluation.

Example: Assessment by faculty mentor: 10 marks Self-assessment: 10 marks Assessment by peers: 10 marks Socially relevant project/Group Activities/Assignments: 20 marks.

Semester End Examination: 50 marks The overall pass percentage is 40%. In case the student fails, he/she must repeat the course.

6. Outcome of the Course:

By the end of the course, students are expected to become more aware of themselves, and their surroundings (family, society, nature); they would become more responsible in life, and in handling problems with sustainable solutions, while keeping human relationships and human nature in mind. They would have better critical ability. They would also become sensitive to their commitment towards what they have understood (human values, human relationship and human society). It is hoped that they would be able to apply what they have learnt to their own self in different day-to- day settings in real life, at least a beginning would be made in this direction. This is only an introductory foundational input. It would be desirable to follow it up by a) faculty-student or mentor-mentee programs throughout their time with the institution b) Higher level courses on human values in every aspect of living. E.g. as a professional.

F.No AICTE/FDP-SI/OnlineWorkshop/201/45062

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

NELSON MANDELA MARG, VASANT KUNJ, NEW DELHI

Certificate of Participation

This is to certify that Mr. Satya Narayana Raju Mudunuri from Nagarjuna College of Engineering and Technology, Bangalore has participated and successfully completed the online workshop on Universal Human Value on the theme "Inculcating Universal Human Values in Technical Education" during 19-23 October, 2020 as organized by All India Council for Technical Education(AICTE).

Dr. Rajneesh Arora
Chairman
National Coordination Committee for Induction Program

Prof. Rajive Kumar
Member Secretary, AICTE

NAGARJUNA COLLEGE OF ENGINEERING & TECHNOLOGY

ATTENDANCE REGISTER

Sem: IV Section: A Subject: ……Universal Human Values-2 …… Subject Code: …19UHV47 ..... Name of the Teacher: Mrs. Arati C

Sl. No	Reg. No.	Name	No. of days	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	% of Attendance	CIE1 [20]	CIE2 [20]	CIE3 [20]	A AT [10]	Records [20]	Lab Test [30]	Final CIE [100]
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1.	1NC19CS001	AASIF YOUSUF WANI		0	0	0	0	0	0	1	2	3	4	4	4	5	6	7	8																						
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3.	1NC19CS003	ACHINTYA KRISHNA		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15																						
4.	1NC19CS004	ADITYA		0	0	0	1	2	3	4	5	6	7	7	7	7	8	9	10																						
5.	1NC19CS005	ADITYA RANJAN		0	0	0	0	1	1	1	2	2	2	3	4	4	5	6	7																						
6.	1NC19CS006	AKHIL SAI E N		0	0	1	2	3	4	5	6	7	8	9	10	10	11	12	13																						
7.	1NC19CS008	AMITH KUMAR		0	0	0	0	1	2	3	4	5	6	6	6	6	6	7	8																						
8.	1NC19CS009	ANAND RAVITEJA ABBIGERI		0	0	0	0	1	1	1	1	1	1	1	1	1	2	3	4																						
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10.	1NC19CS011	ANKITHA YM		1	1	2	3	3	4	5	6	7	8	9	10	11	12	13	14																						
11.	1NC19CS012	ANUPRIYA A		1	1	2	2	3	4	5	6	7	8	9	10	11	12	13	14																						
12.	1NC19CS013	ARAVEETI DINESH		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																						
13.	1NC19CS014	ASHFAQ AHAMED		1	1	2	2	3	4	5	5	5	5	6	7	8	9	10	11																						
14.	1NC19CS015	ASHREETHA B		0	0	0	1	2	3	4	5	6	7	8	9	10	11	12	13																						

15.	1NC19CS016	BANDI AJAY KUMAR REDDY		0	0	0	0	0	0	0	0	0	0	1	2	3	4	5	6																						

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16.	1NC19CS017	BANDI SUDARSANA REDDY		1	1	1	1	1	1	1	1	1	1	2	3	4	5	6	7																						
17.	1NC19CS018	BANDI VENKATA MAHESHWARA REDDY		1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15																						
18.	1NC19CS019	BHARATH VARMA GUNTURI		0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2																						
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20.	1NC19CS021	BINIT KUMAR		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																						
21.	1NC19CS022	BOREDDY HARSHAVARDHAN REDDY		0	0	0	0	0	0	0	0	0	0	1	2	3	4	4	4																						
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23.	1NC19CS024	CALVIN DAS		0	0	0	1	2	3	4	5	6	7	8	9	9	10	11	12	13																					
24.	1NC19CS025	CHANDAN K		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																					
25.	1NC19CS026	CHIRANTHAN BHAT		1	1	2	2	3	4	5	6	7	8	9	10	11	12	13	14	14																					
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27.	1NC19CS028	DEEPAK M	0	0	0	1	1	2	2	3	3	3	3	3	3	3	3	3	4																					
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NAGARJUNA COLLEGE OF ENGINEERING & TECHNOLOGY

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40.	1NC19CS042	K GAGANA SINDHU		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16																						

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45.	1NC19CS047	KONEPALLI RAVI TEJA REDDY		0	0	1	2	3	4	4	4	4	4	5	6	7	8	8	9																						

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51.	1NC19CS053	LUBNA SAIRA J		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16																						
52.	1NC19CS054	M BHAGAVATH KUMAR		0	1	1	2	3	4	5	5	6	7	8	8	9	10	11	12																						
53.	1NC19CS055	MACHERLA KARTHIK SAI		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																						

54.	1NC19CS056	MACHERLA KOUSHIK SAI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																						
55.	1NC19CS057	MALE THANMAYEE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16																						
56.	1NC19CS118	NISCHAL R	0	1	2	3	4	4	4	5	6	7	7	7	8	9	9	10																						
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NAGARJUNA COLLEGE OF ENGINEERING & TECHNOLOGY

ATTENDANCE REGISTER

Sem: IV Section: B Subject: …… Universal Human Values-2 …… Subject Code: …19UHV47 ..... Name of the Teacher: Mrs. Arati C

Sl. No	Reg. No.	Name		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	% of Attendance	CIE1 [20]	CIE2 [20]	CIE3 [20]	A AT [10]	Records [20]	Lab Test [30]	Final CIE [100]
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3.	1NC19CS060	MOHITH KUMAR		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																					
4.	1NC19CS061	N DHEELEP SAI GUPTHA		1	1	2	2	3	4	5	6	7	8	9	10	11	12	13	14																					
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10.	1NC19CS067	NEHA DEVANG H R		1	1	2	3	4	5	6	7	8	8	8	9	10	11	12	13																					
11.	1NC19CS068	NIKITHA N		0	0	1	2	3	4	5	6	7	8	8	9	10	11	12	13																					
12.	1NC19CS069	PALLAVI B R		0	0	1	2	3	4	5	6	7	7	8	9	10	11	12	13																					
13.	1NC19CS070	PAVITHRA V D		1	1	2	3	4	5	6	6	7	8	9	10	11	12	13	14																					
14.	1NC19CS072	PRAPTI JHA		1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15																					
15.	1NC19CS073	PRASHMIT RAINA		1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15																					

NAGARJUNA COLLEGE OF ENGINEERING & TECHNOLOGY

ATTENDANCE REGISTER

Sem: IV Section: B Subject: …… Universal Human Values-2..... Subject Code: …19UHV47……Name of the Teacher: Mrs.Arati C

Sl. No	Reg. No.	Name	No. of days	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	% of Attendance	CIE1 [20]	CIE2 [20]	CIE3 [20]	A AT [10]	Records [20]	Lab Test [30]	Final CIE [100]
			Date	1/6	3/6	7/6	8/6	10/6	12/6	14/6	15/6	21/6	21/6	22/6	22/6	24/6	26/6	28/6	28/6																							
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16.	1NC19CS074	PULA VENKATA SANDEEP KUMAR		1	2	3	4	4	4	4	5	6	6	6	7	7	8	9	10																						
17.	1NC19CS075	RAGURU PRAVEEN KUMAR		1	2	2	2	3	4	5	6	7	8	8	8	9	10	11	12																						
18.	1NC19CS076	RAJANI G		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16																						
19.	1NC19CS077	REGULAGADDA VENKATA NIKHIL		0	0	1	1	2	2	3	4	4	4	4	5	6	6	7	7																						
20.	1NC19CS078	RIKITHA B S		1	2	3	4	5	5	5	6	7	8	8	8	9	9	9	10																						
21.	1NC19CS079	ROSHANKUMAR K B		0	0	0	0	1	2	3	4	4	4	4	5	6	6	7	8																						
22.	1NC19CS080	S LALITH KUMAR REDDY		1	2	3	4	5	6	7	7	8	9	10	11	12	13	14	15																						
23.	1NC19CS081	SABA ANJUM		0	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14																						
24.	1NC19CS082	SAHANA B R		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15																						
25.	1NC19CS083	SAHANA S		0	1	1	2	3	4	5	5	6	6	7	7	8	8	8	9																						
26.	1NC19CS084	SAI MADHAV H		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																						
27.	1NC19CS085	SAKSHIN S AIRANI		1	2	3	3	4	4	5	6	7	8	9	10	11	11	12	13																						
28.	1NC19CS086	SANDHYA N		0	1	2	3	4	5	5	6	7	7	7	8	8	9	9	10																						
29.	1NC19CS087	SARVAMANGALA H		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16																						
30.	1NC19CS088	SEGU VENKATA KRISHNA		0	1	1	2	2	3	3	4	5	5	5	6	7	7	8	9																						

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			Date	1/6	3/6	7/6	8/6	10/6	12/6	14/6	15/6	21/6	21/6	22/6	22/6	24/6	26/6	28/6	28/6																						
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31.	1NC19CS089	SHASHWAT SOURABH		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																						
32.	1NC19CS090	SHRESTA S SHETTY		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15																						
33.	1NC19CS091	SHREYAS AKASH RAO		1	1	2	3	3	4	5	6	7	7	8	9	9	10	10	11																						
34.	1NC19CS092	SHRUTI DIPTI		0	0	0	0	1	1	1	2	2	3	4	5	5	6	6	7																						
35.	1NC19CS093	SHRUTI SRIJAN		0	0	1	2	3	4	5	6	6	7	7	8	8	9	9	9																						
36.	1NC19CS094	SIDRA SHAIKH		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																						
37.	1NC19CS095	SRINIVAS TR		0	1	1	2	3	4	5	6	6	7	8	8	8	9	10	11																						
38.	1NC19CS096	SUHAS R		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15																						
39.	1NC19CS097	SUMAN N		0	1	2	2	3	4	5	5	6	6	6	6	6	6	6	6																						
40.	1NC19CS098	SUMIT SINGH YADAV		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																						
41.	1NC19CS099	SUSHMA G N		0	1	1	2	3	4	5	6	6	7	8	9	10	11	11	12																						
42.	1NC19CS100	TATIREDDYGARI PRUDHVI		0	1	1	2	2	3	4	5	5	6	6	7	7	8	9	10																						
43.	1NC19CS101	THAKUR VISHWAJEET SINGH		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																						
44.	1NC19CS102	THEJASWINI A		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16																						
45.	1NC19CS103	THUMU HINDU MOULESHWAR REDDY		0	0	1	2	3	4	4	5	6	7	7	8	9	9	10	11																						

NAGARJUNA COLLEGE OF ENGINEERING & TECHNOLOGY

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Sem: IV Section: B Subject: …… Universal Human Values-2 …… Subject Code: …19UHV47 ..... Name of the Teacher: Mrs. Arati C

Sl. No	Reg. No.	Name	No. of days	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	% of Attendance	CIE1 [20]	CIE2 [20]	CIE3 [20]	A AT [10]	Records [20]	Lab Test [30]	Final CIE [100]
			Date	1/6	3/6	7/6	8/6	10/6	12/6	14/6	15/6	21/6	21/6	22/6	22/6	24/6	26/6	28/6	28/6																						
				31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	A							
46.	1NC19CS104	TIPU SULTAN		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																						
47.	1NC19CS105	TUSHAR SHEKHAR		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																						
48.	1NC19CS106	UTTAM REDDY K		0	0	1	1	2	3	4	5	6	6	7	7	8	9	10	11																						
49.	1NC19CS107	UZHAIR ALI SHAH		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																						
50.	1NC19CS108	VAISHAK S BARKI		1	2	3	4	4	4	5	6	7	7	8	9	9	10	11	12																						
51.	1NC19CS109	VAJAGOUNI SAI KIRAN GOUD		0	0	0	1	2	3	4	5	5	6	7	8	8	9	10	11																						
52.	1NC19CS110	VARSHINI J		0	0	1	2	3	4	5	6	6	7	8	8	9	10	11	12																						
53.	1NC19CS111	VENKATESH		0	0	1	2	3	4	5	5	6	6	7	7	7	7	7	8																						
54.	1NC19CS112	YASHASWINI B P		0	0	1	1	2	3	4	5	6	6	6	7	8	8	9	10																						
55.	1NC19CS113	YASHASWINI G		1	1	2	3	4	5	5	6	7	8	8	9	10	11	12	13																						
56.	1NC18CS011	ATUL ADARSH		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																						
57.	1NC19CS116	ABHISHEK KUMAR		0	0	1	2	2	3	4	4	5	6	6	7	7	8	9	9																						
58.	1NC19CS119	AVAKASH KUMAR		0	0	0	0	0	1	1	1	1	1	1	1	2	2	2	2																						
59.	1NC19CS115	YAWER BASHIR RESHI		0	1	2	2	2	2	2	3	3	3	4	4	5	6	6	6																						
60.	1NC19CS114	MOUNANANDA REDDY S		0	0	1	1	2	2	3	4	4	4	5	5	5	6	6	6																						

NAGARJUNA COLLEGE OF ENGINEERING & TECHNOLOGY

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Sem: IV Section: B Subject: …… Universal Human Values-2 …… Subject Code: 19UHV47 .....Name of the Teacher: Mrs. Arati C

Sl. No	Reg. No.	Name	No. of days	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	% of Attendance	CIE1 [20]	CIE2 [20]	CIE3 [20]	A AT [10]	Records [20]	Lab Test [30]	Final CIE [100]
			Date	1/6	3/6	7/6	8/6	10/6	12/6	14/6	15/6	21/6	21/6	22/6	22/6	24/6	26/6	28/6	28/6																						
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61.	01MQDIP CS20	AMIPARA NIRAV MAHESHBHAI		1	1	2	2	2	3	4	5	6	6	6	7	8	9	10	11																						
62.	02MQDIP CS20	SANKHAVARA FENAL ARAVINDBHAI		0	0	0	1	2	3	3	3	4	4	5	6	6	7	8	9																						
63.	01DC CS20	SAI DARSHAN R		1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15																						
Initial of Teacher: Mrs. Arati c																																								

Rinsha HOD

HOD

NAGARJUNA COLLEGE OF ENGINEERING & TECHNOLOGY								Format No.			ACD 06
(An Autonomous Institution under VTU)								Issue No.			3
Tentative Class Time Table								Issue Date			22.03.2012
With Effect From 08/04/2021								Rev No			0
Department	Computer Science & Engineering			Semester		IV 'A'					
Academic Year	2020-2021			Room No. :		Class Coordinator	Mrs. Seema J				
Period	1	2		3		4	5	6	7		
Day/Time	9.00 AM - 9.55AM	9:55 AM - 10.50AM	10.50 AM - 11.00AM	11.00 AM - 11.55AM	11:55AM - 12:50PM	12:50PM - 1.40PM	1.40PM - 2.30PM	2.30PM - 3.20PM	3:20PM - 4:10PM		
Monday	19MAT41	19CST46	BREAK	19UHV47	LUNCH BREAK	19CST45	19CSH48	19CSI42			
Tuesday	19CSI43			19UHV47		19CSI44		19MAT41	Placement		
Wednesday	19CSI42			19CST45		19MAT41	19CSH48	19CSI43			
Thursday	19CST46	19CST45		19MAT41		19CSI44		Club Activity			
Friday	19CSI42			19CSI43		LUNCH BREAK	19CST46	19UHV47			
Saturday	CLASSES AS PER CALENDER OF EVENTS										

Course Code	Course Name	Total Credits	Faculty Name
19MAT41	Applied Calculus and Probability Distributions	3	Dr. Sarvesha M V, Mrs. Geetha D L
19CSI42	Design and Analysis of Algorithms (IC)	4	Dr. Syed Naimatullah Hussain, Mrs. Arati Chabukswar
19CSI43	Object Oriented Programming with Java (IC)	4	Mrs. Seema J, Mr. Abraham R
19CSI44	Database Concepts through MySQL (IC)	3	Mrs. Swathi S, Mr. B Raghavendra
19CST45	Operating Systems	3	Mr. Gopinath A R
19CST46	Introduction to Microprocessors & Microcontrollers	3	Dr. Sandhya G
19UHV47	Universal Human Values-2	3	Humanities Faculty-1
19CSH48	Professional Development of Engineers	2	Placement Department

DEPARTMENT TIME TABLE CO-ORDINATOR CHIEF TIME TABLE CO-ORDINATOR HOD PRINCIPAL

NAGARJUNA COLLEGE OF ENGINEERING & TECHNOLOGY						Format No.			ACD 06
	(An Autonomous Institution under VTU)					Issue No.			3
	Tentative Class Time Table					Issue Date			22.03.2012
	With Effect From 08/04/2021					Rev No			0
Department	Computer Science & Engineering			Semester		IV 'B'			
Academic Year	2020-2021			Room No. :		Class Coordinator	Mr. B Raghavendra		
Period	1	2		3		4	5	6	7
Day/Time	9.00 AM - 9.55AM	9:55 AM - 10.50AM	10.50 AM - 11.00AM	11.00 AM - 11.55AM	11:55AM - 12:50PM	12:50PM - 1.40PM	1.40PM - 2.30PM	2.30PM - 3.20PM	3:20PM - 4:10PM
Monday	19CSI42		B T E A K	19CST45	L U N C H B R E A K	19UHV47	19MAT41	19CSI43	
Tuesday	19MAT41	19CST45		19CSH48		19CST46	19UHV47		Placement
Wednesday	19CSI43			19UHV47		19CSI44		19CSI42	
Thursday	19CSH48	19MAT41		19CST46		19CSI43		Club Activity	
Friday	19MAT41	19CST45		19CST46		19CSI44		19CSI42	
Saturday	CLASSES AS PER CALENDER OF EVENTS								

Course Code	Course Name	Total Credits	Faculty Name
19MAT41	Applied Calculus and Probability Distributions	3	Mrs. Kavitha G
19CSI42	Design and Analysis of Algorithms (IC)	4	Dr. Syed Naimatullah Hussain, Mrs. Arati Chabukswar
19CSI43	Object Oriented Programming with Java (IC)	4	Mrs. Seema J, Mr. Abraham R
19CSI44	Database Concepts through MySQL (IC)	3	Mrs. Swathi S, Mr. B Raghavendra
19CST45	Operating Systems	3	Mr. Gopinath A R
19CST46	Introduction to Microprocessors & Microcontrollers	3	Dr. Sandhya G
19UHV47	Universal Human Values-2	3	Humanities Faculty-1
19CSH48	Professional Development of Engineers	2	Placement Department

DEPARTMENT TIME TABLE CO-ORDINATOR CHIEF TIME TABLE CO-ORDINATOR HOD PRINCIPAL

NAGARJUNA COLLEGE OF ENGINEERING & TECHNOLOGY							Format No.			ACD 06
(An Autonomous Institution under VTU)							Issue No.			3
Tentative Class Time Table							Issue Date			22.03.2012
With Effect From 01/03/2021							Rev No			0
Department	Computer Science & Engineering			Semester		VI 'A'				
Academic Year	2020-2021			Room No. :		Class Coordinator	Mrs. Vidya.V			
Period	1	2		3		4	5	6	7	
Day/Time	9.00 AM - 9.55AM	9:55 AM - 10.50AM	10.50 AM - 11.00AM	11.00 AM - 11.55AM	11:55AM - 12:50PM	12:50PM - 1.40PM	1.40PM - 2.30PM	2.30PM - 3.20PM	3:20PM - 4:10PM	
Monday	18CSI63 (Lab)		BREAK	18CSI62	LUNCH BREAK	18CSI62 (Lab)		18CSI64X	18EET65X	
Tuesday	18CST61	18CSI62		18CSI68		18CSI63 (Lab)		18IIOE66X	18IIOE66X	
Wednesday	18CSI62	18CST61		18CSI64X		18CSI69	18CSI69	18CSI69	Placement	
Thursday	18CSI64X (Lab)			18EET65X		18CSI64X	18IIOE66X	Club Activity		
Friday	18CSI63 (Lab)			18CST61		18EET65X	18CSL67 (Lab)			
Saturday	CLASSES AS PER CALENDER OF EVENTS									

Course Code	Course Name	Total Credits	Faculty Name
18CST61	Python Programming	3	Mr. Bhargava R, Mr. Pramoda R
18CSI62	Computer Networks	4	Mr. Subramanya S G
18CSI63	Android Application Development	4	Mrs. Vidya V
18CSI641 18CSI642 18CSI643	**Foundation Elective- VI** Advanced Cloud Computing Introduction to Block Chain Information & Network Security	4	Dr. Anil Kannur, Mr. Sudhakara Reddy M
18EET651 18EET652 18EET653 18EET654	**Engineering Elective -VII** Image Processing Nano-electronics Water Resources Engineering Project Based Learning+Certification (NPTEL)	3	Mrs. Vidya V
18IIOE661 18IIOE662 18IIOE663	**Open Elective -VIII** Technical Certification+ Seminar Robotic Process Automation Yoga and Meditation	3	Mr. Arun Kumar S, Mr. Srikanth M S
18CSL67	Python Programming Laboratory	2	Mr. Bhargava R, Mr. Pramoda R
18CSI68	Humanities	1	Faculty 1
18CSI69	Placement Training	3	Placement Department

DEPARTMENT TIME TABLE CO-ORDINATOR CHIEF TIME TABLE CO-ORDINATOR HOD PRINCIPAL

NAGARJUNA COLLEGE OF ENGINEERING & TECHNOLOGY							Format No.			ACD 06
	(An Autonomous Institution under VTU)						Issue No.			3
	- Tentative Class Time Table -						Issue Date			22.03.2012 -
	With Effect From 01/03/2021						Rev No			0
Department	Computer Science & Engineering			Semester		VI 'B'				
Academic Year	2020-2021			Room No. :		Class Coordinator	Mr. Rajesh Kumar Reddy			
Period	1	2		3		4	5	6	7	
Day/Time	9.00AM - 9.55AM	9:55AM - 10.50AM	10.50AM - 11.00AM	11.00AM - 11.55AM	11:55AM - 12:50PM	12:50PM - 1.40PM	1.40PM - 2.30PM	2.30PM - 3.20PM	3:20PM - 4:10PM	
Monday	18CSL67 (Lab)				LUNCH BREAK	18CSI63 (Lab)		18CSI64X	18EET65X	
Tuesday	18CSH69	18CSH69	BREAK	18CSH69		18CST61	18CSI62	18HOE66X	18HOE66X	
Wednesday	18CSI63 (Lab)			18CSI64X		18CSI62 (Lab)		18CST61	Placement	
Thursday	18CSI64X (Lab)			18CSI62		18CSI64X	18HOE66X	Club Activity		
Friday	18CST61	18CSI62		18CSH68	18CSI63 (Lab)		LUNCH BREAK	18EET65X	18EET65X	
Saturday	CLASSES AS PER CALENDER OF EVENTS									

Course Code	Course Name	Total Credits	Faculty Name
18CST61	Python Programming	3	Mr. Bhargava R, Mr. Pramoda R
18CSI62	Computer Networks	4	Mr. Subramanya S G
18CSI63	Android Application Development	4	Mrs. Vidya V
18CSI641 18CSI642 18CSI643	**Foundation Elective- VI** Advanced Cloud Computing Introduction to Block Chain Information & Network Security	4	Dr. Anil Kannur, Mr. Sudhakara Reddy M
18EET651 18EET652 18EET653 18EET654	**Engineering Elective -VII** Image Processing Nano-electronics Water Resources Engineering Project Based Learning+Certification (NPTEL)	3	Mr. Rajesh Kumar Reddy
18HOE661 18HOE662 18HOE663	**Open Elective -VIII** Technical Certification+ Seminar Robotic Process Automation Yoga and Meditation	3	Mr. Arun Kumar S, Mr. Srikanth M S
18CSL67	Python Programming Laboratory	2	Mr. Bhargava R, Mr. Pramoda R
18CSH68	Humanities	1	Faculty 1
18CSH69	Placement Training	3	Placement Department

DEPARTMENT TIME TABLE CO-ORDINATOR CHIEF TIME TABLE CO-ORDINATOR HOD PRINCIPAL

Question Bank: Universal Human Values-2

Unit -1:

:(a) what is the present vision of a happy and prosperous life? Explain.

(b) Explain about understanding and living in harmony at various levels. Dec-2017

:(a) Illustrate the purpose of self-exploration

(b)Self exploration is a process of dialogue between 'what you are' and 'what you really want to be'- Explain and illustrate.

Q.3: (a): Define self-exploration. What is the content of self-exploration?

(b): What is the program to fulfill the basic human aspirations?

Q.4: (a): What is your present vision of a happy and prosperous life?

(b): Write a short note on the need for value education in today's scenario.

Q.5: Describe in brief the salient values in human relationships?

Q. 6: What is the need of value-education?

Q. 7: Briefly explain the 5 dimensions of human endeavor in society, Define each term?

Q. 8: Briefly explain the natural characteristics of the four orders in nature?

(a) Why is it important to verify any proposition for right understanding on the basis ofnatural acceptance , and not on the basis of any external source? Write down any three observations about your natural acceptance.

(b) What is the expense of human living? Why is it necessary to understand the harmony at all the levels? Critically evaluate the current state of human living at the level of the self.

(a) Explain the process of self-exploration giving an example from your life.

(b) How does the value education assist in evaluating in your own beliefs? Illustrate any two beliefs of yours that got evaluated in this course

(a) what are the two basic aspirations of any human being? Define and explain. (b).Explain the process of self-exploration to understand the human values. How do our preconditioning hinder this process?

UNIT-II:

Q. 1:Explain the activities of realization and understanding. How do they lead to harmony in the activities of "I"? Illustrate with an example.

Q. 2: (a) "Human being is the co-existence of the self and the body". Elaborate this statement.
(b): How are sanyam and swasthya related? Explain.

Q. 3: (a): Distinguish between sukh and suvidha in detail taking need of yourself as an example.
(b): How do sensations and pre-conditionings influence our imaginations? Give 2 examples of each.

Q.4: (a): Discuss understanding harmony in self.

(b): I am the seer, doer and enjoyer.The body is my instrument-Explain.

Q. 5: What is the meaning and purpose of self-exploration?

Q. 6: How is human being co-existence of self and body? Explain pre-conditioning, sensation and natural acceptance.

Q.7: What do you mean by natural acceptance? Explain. Explain how it remains untouched by our past pre conditionings with the help an on example from your life.

Q.8: Explain the basic guidelines for value education with reasoning?

(a) what do you meant by 'natural acceptance'? Explain. Explain how it remains untouchedby our past pre-conditionings with the help on an example from your life.

(b) Explain the process of self-exploration giving an example from your life.

(a) explain the following activities giving any two examples: knowing, assuming, recognizing and fulfilling. How does a human being differ from an animal in terms of theseactivities? (b)Explain precisely the activities of the self-taking an example.

Q.11 (a). Define sanyam and swasthya. How are they related? Elaborate briefly on the programs of sanyam.

(b). Describe the activities of the self. What is the program to ensure the harmony in these activities?

Assignment Questions (AAT-1) 10Marks
Subject: Universal Human Values (19UHV47)
Class: 4th semester A and B section

1. Write a short note on the need for value education in today's scenario.
2. Write down any two observations about your natural acceptance.
3. Explain the process of self-exploration giving an example from your life.
4. "I am the seer, doer and enjoyer". The body is my instrument-Explain.
5. Explain the following activities in self (I) with an example
   Realization and Understanding; Imaging, Analyzing, Selecting/Tasting,

Nagarjuna College of Engineering and Technology

Department of Computer Science and Engineering

Universal Human Values (19UHV47)

Fourth Semester B.E

CIE-1

Time: **90Mins, 9:30 to 11am**	Max. Marks: **40**	Date: **19.06.2021**

	Note: Answer any one full question from each module	**M**	**BL**
	Module – 1 (CO1)		
1a	Write a short note on the **need for value education**.	10	L1
b	Explain the process of self-exploration with a neat diagram.	10	L1
	OR		
2a	List and explain the basic guidelines for value education?	10	L2
b	Explain the concepts of natural acceptance and experiential validation as the mechanisms of self-exploration.	10	L1
	Module-2 (CO2)		
3a	What do you mean by Sukh and Suvidha? Distinguish between Sukh and Suvidha in detail taking needs of yourself as an example.	10	L1
b	Differentiate between the needs of self and the needs of body.	10	L2
	OR		
4a	Human being is co-existence of the Self and the Body' - elaborate on this statement.	10	L2
b	Explain the activities of knowing, assuming, recognizing and fulfillment with one examples	10	L1

Question Bank: Universal Human Values-2

Unit -1:

:(a) what is the present vision of a happy and prosperous life? Explain.

(b) Explain about understanding and living in harmony at various levels. Dec-2017

:(a) Illustrate the purpose of self-exploration

(b)Self exploration is a process of dialogue between 'what you are' and 'what you really want to be'- Explain and illustrate.

Q.3: (a): Define self-exploration. What is the content of self-exploration?

(b): What is the program to fulfill the basic human aspirations?

Q.4: (a): What is your present vision of a happy and prosperous life?

(b): Write a short note on the need for value education in today's scenario.

Q.5: Describe in brief the salient values in human relationships?

Q. 6: What is the need of value-education?

Q. 7: Briefly explain the 5 dimensions of human endeavor in society, Define each term?

Q. 8: Briefly explain the natural characteristics of the four orders in nature?

(a) Why is it important to verify any proposition for right understanding on the basis ofnatural acceptance , and not on the basis of any external source? Write down any three observations about your natural acceptance.

(b) What is the expense of human living? Why is it necessary to understand the harmony at all the levels? Critically evaluate the current state of human living at the level of the self.

(a) Explain the process of self-exploration giving an example from your life.

(b) How does the value education assist in evaluating in your own beliefs? Illustrate any two beliefs of yours that got evaluated in this course

(a) what are the two basic aspirations of any human being? Define and explain. (b).Explain the process of self-exploration to understand the human values. How do our preconditioning hinder this process?

UNIT-II:

Q. 1:Explain the activities of realization and understanding. How do they lead to harmony in the activities of "I"? Illustrate with an example.

Q. 2: (a) "Human being is the co-existence of the self and the body". Elaborate this statement.
(b): How are sanyam and swasthya related? Explain.

Q. 3: (a): Distinguish between sukh and suvidha in detail taking need of yourself as an example.
(b): How do sensations and pre-conditionings influence our imaginations? Give 2 examples of each.

Q.4: (a): Discuss understanding harmony in self.

(b): I am the seer, doer and enjoyer.The body is my instrument-Explain.

Q. 5: What is the meaning and purpose of self-exploration?

Q. 6: How is human being co-existence of self and body? Explain pre-conditioning, sensation and natural acceptance.

Q.7: What do you mean by natural acceptance? Explain. Explain how it remains untouched by our past pre conditionings with the help an on example from your life.

Q.8: Explain the basic guidelines for value education with reasoning?

(a) what do you meant by 'natural acceptance'? Explain. Explain how it remains untouchedby our past pre-conditionings with the help on an example from your life.

(b) Explain the process of self-exploration giving an example from your life.

(a) explain the following activities giving any two examples: knowing, assuming, recognizing and fulfilling. How does a human being differ from an animal in terms of theseactivities? (b)Explain precisely the activities of the self-taking an example.

Q.11 (a). Define sanyam and swasthya. How are they related? Elaborate briefly on the programs of sanyam.

(b). Describe the activities of the self. What is the program to ensure the harmony in these activities?

Integrated Rural Development – Part 1

Course Code	L:T:P:S	Credits	Exam marks	Exam Duration	Course Type
16CSH39	0:2:0:0	1	CIE:50 SEE:50	2 Hours	HSS

Course Objectives:

This course will enable students to:

- Gain an awareness of the existing challenges in rural areas of India.
- Develop the ability to communicate and interact with rural sections of our society.
- Use and apply their academic knowledge to facilitate rural development and uplift via targeted initiatives and activities.

Syllabus

Module - I

Introduction: Introduction to the course and its objectives; overview of typical challenges faced in villages; importance of integrating villages in mainstream society; relevance of course to nation building; division of students into groups; allotment of villages to student groups; assignment of mentors to student groups. **03 Hours**

Module - II

Project Definition: Visit of student groups to respective villages with assigned mentors; interacting with villagers and ice-breaking activities; identifying possible project topics with the help of mentor and supervisor; student group discussion to finalize the project definition; review of project definition with mentor and supervisor. **06 Hours**

Module - III

Project Conceptualization and Planning: Creation of plan to realize the project; review of plan with mentor and supervisor; assigning action items to students within the group; planning for needed logistics and infrastructure. **06 Hours**

Module - IV

Project Realization: Execution of the project plan (for example by conducting workshops); aggregation of project deliverables like survey reports, collected data, interviews, and questionnaires; recording of impact of the project on the village; periodical review of the project execution status as well as the project deliverables (like aggregated data and survey reports) with mentor and supervisor. **08 Hours**

Module - V

Project Reporting: Creation of project report by the student groups detailing the motivation for the project, the approach, the work packages along with student

assignments, the execution of the project, impact of the project, possible future activities that can be taken in the village in the direction of the project, and lessons learned by the students during the project; creation of a slide-set to present the project report during the final exam; review and test by mentor and supervisor.

03 Hours

Course Outcomes:

On completion of this course, the students are able to:

- Develop the ability to interact and communicate with different sections of society, thus improving their communication skills.
- Understand the existing problems and needs of a village, thus developing an awareness of the challenges facing rural India.
- Conceptualize, plan, and realize measures to address these problems, thus improving their practical problem-solving and leadership skills.
- Make an impact to rural section of society, thus building their self-confidence.

Text Book:

1. Bhagawan Sri Sathya Sai Baba: "Service to Village is Service to God", Sri Sathya Sai Publications.

Reference Books:

1. Bhagawan Sri Sathya Sai Baba: "Man Management: A Value-Based Management Perspective", Sri Sathya Sai Publications.
2. Lt. Gen. M.L.Chibber: "Sai Baba's Mahavakya on Leadership : Book for Youth, Parents and Teachers."

E-Resources:

1. http://rural.nic.in/netrural/rural/index.aspx
2. www.annapoorna.org.in

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Integrated Rural Development – Part 2

Course Code	L:T:P:S	Credits	Exam marks	Exam Duration	Course Type
16CSH49	0:2:0:0	1	CIE:50 SEE:50	2 Hours	HSS

Course Objectives:

This course will enable students to :

- This course is an extension of the Integrated Rural Development course which was introduced in Semester 3. This course will extend the previous semester's work and will enable the students to:
- Continue working on the problems and challenges identified in the village.
- Apply their academic knowledge, talents, and abilities to come up with innovative and practical solutions to the challenges in the village.
- Foster a sense of entrepreneurship towards addressing the problems in the village.

Syllabus

Module - I

Introduction: Introduction to the course and its objectives; overview of typical challenges faced in villages; importance of integrating villages in mainstream society; relevance of course to nation building; summary of the experiences from previous semester with assigned mentors and supervisors. **03 Hours**

Module - II

Project Definition: Revisiting the challenges already identified in the previous semester and identifying possible project topics with the help of mentor and supervisor (this can be either continuation of the previous semester's project with a larger scope or a new project); student group discussion to finalize the new project definition; review of project definition with mentor and supervisor. **06 Hours**

Module - III

Project Conceptualization and Planning: Creation of plan to realize the project; review of plan with mentor and supervisor; assigning action items to students within the group; planning for needed logistics and infrastructure. **06 Hours**

Module - IV

Project Realization: Execution of the project plan (for example by conducting workshops); aggregation of project deliverables like survey reports, collected data, interviews, and questionnaires; recording of impact of the project on the village; periodical review of the project execution status as well as the project deliverables (like aggregated data and survey reports) with mentor and supervisor. **10 Hours**

Module - V

Project Reporting: Creation of project report by the student groups detailing the motivation for the project, the approach, the work packages along with student assignments, the execution of the project, impact of the project, possible future activities that can be taken in the village in the direction of the project, and lessons learned by the students during the project; creation of a slide-set to present the project report during the final exam; review and test by mentor and supervisor.

03 Hours

Course Outcomes:

On completion of this course, students are able to:

- Further develop their social and communication skills by interacting with residents of the village and within their team.
- Conceptualize long term solution to challenges in villages, thus developing a sense of entrepreneurship.
- Make an impact to rural sections of society, thus building their self-confidence

Text Book:

1. Bhagawan Sri Sathya Sai Baba: "Service to Village is Service to God", Sri Sathya Sai Publications.

Reference Books:

1. Bhagawan Sri Sathya Sai Baba: "Man Management: A Value-Based Management Perspective", Sri Sathya Sai Publications.
2. Lt. Gen. M.L.Chibber: "Sai Baba's Mahavakya on Leadership : Book for Youth, Parents and Teachers."

E-Resources:

1. http://rural.nic.in/netrural/rural/index.aspx
2. www.annapoorna.org.in

ENGLISH

Submitted by

Group 15

VILLAGE : DIBBUR

towards partial fulfillment of requirements of the course

16ECH39: INTEGRATED RURAL DEVELOPMENT

AT

NAGARJUNA

COLLEGE OF ENGINEERING & TECHNOLOGY

GROUP NUMBER	REGISTRATION NUMBER	NAME
G-15	1NC16EC023	GEETHA KUMARI T M
G-15	1NC16EC027	JEEVAN R SHETTY
G-15(LEADER)	1NC16EC028	K TEJASWITHA
G-15	1NC16EC030	KAMIRADDY VENKATA MOHAN REDDY
G-15	1NC16EC032	KASIREDDYGARI ASHOK KUMAR REDDY
G-15	1NC16EC034	KOLLIPARA VEERENDRA NADH
G-15	1NC16EC035	KONDALA NIRANJAN REDDY
G-15	1NC16EC037	KURUPATI YASWANTH KUMAR REDDY
G-15	1NC16EC039	MAHESH TOTAD
G-15	1NC16EC041	MAKAM SANDEEP KUMAR
G-15	1NC16EC043	MANUSANI HARSHA

14th December ,2017

Nagarjuna College of Engineering & Technology

Department of Electronics & Communication Engineering

Course Name: Project Based Learning **Course Code: 15ECP68**

Batch No.	USN	Student Name	Project Title	Name of the Guide
B1	1NC15EC094	SUPRIYA H	Density based traffic signal system using microcontroller	Ms.Hemalatha.B
	1NC15EC097	TEJASWINI S B		
	1NC15EC085	SIDDA RUSHITA		
	1NC15EC099	VAISHNAVI S R		
B2	1NC15EC020	CHIKKA RANGAI T R	Drone for Medical supply	Mr.Shashi Kiran.R
	1NC15EC021	CHIRAG BHARADWAJ		
	1NC15EC010	ARAB SIRISHA		
	1NC15EC043	M.K SAHANA		
B3	1NC15EC414	RESHMA T N	Auto intensity control of street light	Ms.Souparnika.J
	1NC15EC031	HEMAVATHI J		
	1NC14EC048	KRUTHIKA M BANAKAR		
	1NC15EC003	AISHWARYA. S.A		
B4	1NC15EC013	BHARATH KUMAR N	Pick and place robot	Mr.Ananth Upadhya
	1NC15EC047	MANIKANTA N		
	1NC15EC062	NISHANTH S		
	1NC15EC072	RAVICHANDRA N M		
B5	1NC15EC079	SAWAN P V	Finger print based attendance management system	Mrs.Ashwini.S
	1NC15EC092	SUNIL S		
	1NC16EC402	CHIRANJEEVI A J		
	1NC13EC042	MAYUKH BHATTACHARYA		
B6	1NC16EC403	LAVANYA L	Embedded system based submersible motor control for Agricultural Irrigation using GSM	Dr.H.Venkatesh Kumar
	1NC15EC07	SAI BINDU R		
	1NC15EC060	NANDITHA B S		
	1NC15EC064	PRAGATHI M SANCHI		
B7	1NC15EC098	VAISHNAVI B J	Automated Irrigation system using wireless sensor network and GPRS	Mr.Kassety Rambabu
	1NC15EC095	SUPRIYA K M		
	1NC15EC009	APSANA N		
	1NC15EC089	VINODH KUMAR		
B8	1NC16EC407	SRIKANTH KUMAR G S	GSM based smart surveillance system using PIR sensor	Dr.Nagesh.K.N
	1NC15EC053	DHEERAJ REDDY		
	1NC16EC400	ARPITHA G R		
	1NC16EC404	LAXMI J PATIL		
B9	1NC15EC058	R SATISH KUMAR REDDY	Solar data logger	Mr.Mahesh.MR
	1NC15EC045	SUNIL KUMAR REDDY M		
	1NC15EC086	GOPINATH REDDY S		
	1NC15EC073	MOHITH KUMAR REDDY R		
B10	1NC13EC039	MANIKONDA BHUJANGA SAI SURYA	Medicine remainder using Aurdino	Dr.Satheesha T Y
	1NC15EC005	ALLA SAI DURGA PRASAD		
	1NC15EC035	KAKARLA CHAITANYA KISHORE		
	1NC15EC069	PUTTA ANVESH		
B11	1NC15EC050	MEGHANA	Digital notice board	Dr.Sendamarai. P
	1NC15EC049	PAVANI		
	1NC15EC028	SRI SOWMYA		
	1NC15EC033	JYOTHI PRIYA		
B12	1NC15EC051	MIZBA FARHEEN	Human detection Robot	Mr.Yaseen Basha
	1NC15EC001	POOJA A		
	1NC15EC0	GOWTHAMI		
	1NC15EC019	CHETHANA		
B13	1NC15EC075	SAI M GEETHANJALI	Soil testing system for agriculture	Dr.Nagesh.K.N
	1NC15EC100	VEENA K		
	1NC15EC416	SHAISTHA NISHATH		
	1NC15EC103	YASHASWINI KUNDAPUR		

Nagarjuna College of Engineering & Technology

Department of Electronics & Communication Engineering

Course Name: Project Based Learning **Course Code: 15ECP684**

Batch No.	USN	Student Name	Project Title	Name of the Guide
B1	1NC15EC094	SUPRIYA H	Density based traffic signal system using microcontroller	Ms.Hemalatha.B
	1NC15EC097	TEJASWINI S B		
	1NC15EC085	SIDDA RUSHITA		
	1NC15EC099	VAISHNAVI S R		
B2	1NC15EC020	CHIKKA RANGAI T R	Drone for Medical supply	Mr.Shashi Kiran.R
	1NC15EC021	CHIRAG BHARADWAJ		
	1NC15EC010	ARAB SIRISHA		
	1NC15EC043	M.K SAHANA		
B3	1NC15EC414	RESHMA T N	Auto intensity control of street light	Ms.Souparnika.J
	1NC15EC031	HEMAVATHI J		
	1NC14EC048	KRUTHIKA M BANAKAR		
	1NC15EC003	AISHWARYA. S.A		
B4	1NC15EC013	BHARATH KUMAR N	Pick and place robot	Mr.Ananth Upadhya
	1NC15EC047	MANIKANTA N		
	1NC15EC062	NISHANTH S		
	1NC15EC072	RAVICHANDRA N M		
B5	1NC15EC079	SAWAN P V	Finger print based attendance management system	Mrs.Ashwini.S
	1NC15EC092	SUNIL S		
	1NC16EC402	CHIRANJEEVI A J		
	1NC13EC042	MAYUKH BHATTACHARYA		
B6	1NC16EC403	LAVANYA L	Embedded system based submersible motor control for Agricultural Irrigation using GSM	Dr.H.Venkatesh Kumar
	1NC15EC074	SAI BINDU R		
	1NC15EC060	NANDITHA B S		
	1NC15EC064	PRAGATHI M SANCHI		
B7	1NC15EC098	VAISHNAVI B J	Automated Irrigation system using wireless sensor network and GPRS	Mr.Kassety Rambabu
	1NC15EC095	SUPRIYA K M		
	1NC15EC009	APSANA N		
	1NC15EC089	VINODH KUMAR		
B8	1NC16EC407	SRIKANTH KUMAR G S	GSM based smart surveillance system using PIR sensor	Dr.Nagesh.K.N
	1NC15EC053	DHEERAJ REDDY		
	1NC16EC400	ARPITHA G R		
	1NC16EC404	LAXMI J PATIL		
B9	1NC15EC058	R SATISH KUMAR REDDY	Solar data logger	Mr.Mahesh.MR
	1NC15EC045	SUNIL KUMAR REDDY M		
	1NC15EC086	GOPINATH REDDY S		
	1NC15EC073	MOHITH KUMAR REDDY R		
B10	1NC13EC039	MANIKONDA BHUJANGA SAI SURYA	Medicine remainder using Aurdino	Dr.Satheesha T Y
	1NC15EC005	ALLA SAI DURGA PRASAD		
	1NC15EC035	KAKARLA CHAITANYA KISHORE		
	1NC15EC069	PUTTA ANVESH		
B11	1NC15EC050	MEGHANA	Digital notice board	Dr.Sendamarai. P
	1NC15EC049	PAVANI		
	1NC15EC028	SRI SOWMYA		
	1NC15EC033	JYOTHI PRIYA		
B12	1NC15EC051	MIZBA FARHEEN	Human detection Robot	Mr.Yaseen Basha
	1NC15EC001	POOJA A		
	1NC15EC0	GOWTHAMI		
	1NC15EC019	CHETHANA		
B13	1NC15EC075	SAI M GEETHANJALI	Soil testing system for agriculture	Dr.Nagesh.K.N
	1NC15EC100	VEENA K		
	1NC15EC416	SHAISTHA NISHATH		
	1NC15EC103	YASHASWINI KUNDAPUR		

Environmental Science

Course Code	L:T:P:S	Credits	Exam marks	Exam Duration	Course Type
18CSH58	1:0:0:0	1	CIE:50 SEE:50	2 Hours	HSS

Course Objectives:

This course will enable the students to

- To identify the major challenges in environmental issues and evaluate possible solutions.
- Develop analytical skills, critical thinking and demonstrate socio-economic skills for sustainable development.
- To analyze an overall impact of specific issues and develop environmental management plan.
- To Understand various factors for Pollution
- To Understand the concepts of GIS and Remote Sensing.

Syllabus

Module – I

Introduction**:** Environment – Components of Environment Ecosystem: Types & Structure of Ecosystem, Balanced ecosystem Human Activities – Food, Shelter, And Economic & Social Security. Impacts of Agriculture & Housing Impacts of Industry, Mining & Transportation Environmental Impact Assessment, Sustainable Development **03Hours**

Module – II NaturalResources,Waterresources–Availability&Qualityaspects,Waterbornediseases&waterinduced diseases, Fluoride problem in drinking water Mineral resources, Forest Wealth Material Cycles – Carbon Cycle,NitrogenCycle&SulphurCycle.Energy–Differenttypesofenergy,Conventionalsources&Non-Conventional sources of energy Solar energy, Hydro electric energy, Wind Energy, Nuclear energy, Biomass & Biogas Fossil Fuels, Hydrogen as an alternative energy. **3Hours**

Module – III

Environmental Pollution–Water Pollution, Noise pollution, Land Pollution, Public Health Aspects. Global Environmental Issues: Population Growth, Urbanization, Land Management, Water & Wastewater Management. **02Hours**

Module – IV

Air Pollution & Automobile Pollution: Definition, Effects – Global Warming, Acid rain & Ozone layer depletion, controlling measures. Solid Waste Management, E–Waste Management & Biomedical Waste Management – Sources, Characteristics & Disposal methods. **03Hours**

Module – V

Introduction to GIS & Remote sensing, Applications of GIS & Remote Sensing in Environmental Engineering Practices. Environmental Acts & Regulations, Role of government, Legal aspects, Role of Non-governmental Organizations (NGOs) , Environmental Education &Women Education. **02Hours**

Course Outcomes:

On completion of this course the students are able to

- Understand the principles of ecology and environmental issues that apply to air, land, and water issues on a global scale,
- Develop critical thinking and/or observation skills, and apply them to the analysis of a problem or question related to the environment,
- Demonstrate ecology knowledge of a complex relationship between biotic and abiotic components
- Apply their ecological knowledge to illustrate and graph a problem and describe the realities that managers face when dealing with complex issues.

Nagarjuna College of Engineering & Technology
Department of CSE

Project Based Learning (17CSI654)

1. 02/03/2020-06/03/2020:

PBL Phase-I (Synopsis) Presentation (total of **32** batches)

2. 02/04/2020-04/04/2020:

a) Circular regarding conduction PBL Phase-II Presentation,

b) Circular forwarded to Guides (Faculty Members) and Students through Whatsapp groups respectively.

Nagarjuna College of Engineering & Technology
Department of Computer Science & Engineering

Project Batch Timings of Project Based Learning Phase-II (17CST654)

Batch No.	USN	Student Name	Guide Name	Timings
B1	1NC16CS022	DEVARINTI MANOJ KUMAR REDDY	Dr.Shantakumar B Patil	13/04/2020 1pm-1:30pm
	1NC16CS044	KAPARTHI NISHANTH KUMAR		
B2	1NC17CS010	ARUN P S	Dr. Gururaj Murtugudde	13/04/2020 1:30pm-2pm
	1NC17CS011	B S ATHUL		
	1NC17CS041	KOLA PREM KUMAR		
B3	1NC17CS022	DEEKSHITHA P	Mrs. Prabha S Naik	13/04/2020 2pm-2:30pm
	1NC17CS039	KAVYA S		
	1NC17CS044	KUSUMA S		
B4	1NC17CS023	DEEKSHITHA S N	Mrs. Swathi S	13/04/2020 2:30pm-3pm
	1NC17CS025	DIVYA KHANDEKAR		
	1NC17CS048	LAVANYA K E		
B5	1NC17CS005	ALLURI SAI SHILPA SRI	Mr. Gopinath A R	13/04/2020 3pm-3:30pm
	1NC17CS026	DIVYA MEGHA H S		
	1NC17CS050	LEELAVATHY J		
B6	1NC17CS015	BINDU M	Mrs. Bhagya M	13/04/2020 3:30pm-4pm
	1NC17CS018	CHANDINI J V		
	1NC17CS100	PEARL PRIYA		
B7	1NC17CS003	AJITHKUMAR REDDY K	Mr. Sudhakara Reddy M	15/04/2020 1pm-1:30pm
	1NC17CS014	BHARATH KUMAR OBULENI		
	1NC18CS400	AKSHAY PUTTU SHETTY		
B8	1NC17CS027	DIVYABHARATHI H Y	Mrs. Vidya V	15/04/2020 1:30pm-2pm
	1NC17CS031	HITAISHI K		
	1NC17CS038	KAVITHA N		
B9	1NC17CS008	AMULYA H C	Mr. Subramanya S G	15/04/2020 2pm-2:30pm
	1NC17CS016	BUSIREDDY NAVEEN REDDY		
	1NC17CS036	KAMJULA VASUDEVA REDDY		
B10	1NC17CS001	ABHISHEK KUMAR RAM	Mr. B Raghavendra	15/04/2020 2:30pm-3pm
	1NC17CS006	AMAN JAISWAL		
	1NC17CS037	KAUSHAL KANT SINGH		
B11	1NC17CS002	AISHWARYA S S	Mr. Pramoda R	15/04/2020 3pm-3:30pm
	1NC17CS045	LAKSHMI K R		
	1NC17CS046	LAKSHMIDEVI M S		
B12	1NC17CS021	DARSHITH M P	Mr. Bhargava R	15/04/2020 3:30pm-4pm
	1NC17CS028	GAGAN GOWDA T C		
	1NC17CS032	INDUKURI VENKATA SAI MAHESH VARMA		
B13	1NC17CS030	HEMALATHA J	Mr. Pramoda K V	16/04/2020 1pm-1:30pm
	1NC17CS042	KOMAL DEVI		
B14	1NC17CS013	BHARATH B	Mrs. Nagashree	16/04/2020 1:30pm-2pm
	1NC17CS017	CHALLAPALLI BALARAM		
	1NC17CS043	KUNAL KUMAR GUPTA		
B15	1NC17CS004	AKHILA M	Ms. Priyanka K	16/04/2020 2pm-2:30pm
	1NC17CS019	CHAYASHREE R K		
	1NC17CS033	JAYASHREE B S		
B16	1NC17CS034	JYOTHI K P	Mr. Raghavendra T K	16/04/2020 2:30pm-3pm
	1NC17CS040	KEERTHANA R		
	1NC17CS047	LAVANYA K		
B17	1NC17CS062	NARENDRA KUMAR VERMA	Mrs. Seema J	16/04/2020 3pm-3:30pm
	1NC17CS077	RIYA BHARTI		
	1NC17CS082	SHUBHAM RAJ		
B18	1NC17CS096	VELAGALA SREERAJAVENKATAREDDY	Dr. Anitha Patil	07/04/2020 1pm-1:30pm
B19	1NC17CS054	MANOHAR S R	Mr. Pramoda K V	07/04/2020 1:30pm-2pm
	1NC17CS085	SRIAJAY S		
	1NC17CS090	SUSHRUTH S		
B20	1NC17CS072	PRITHVISH K KUMBLE	Dr. Anitha Patil	07/04/2020 2pm-2:30pm
	1NC17CS094	ULLAS R		
	1NC17CS102	RAJAMANI R		
B21	1NC17CS052	MALA M V	Dr. Shantakumar B Patil	07/04/2020 2:30pm-3pm
	1NC17CS097	VELURI SIVA POOJITHA		
B22	1NC17CS078	SAI BHARAT REDDY B S	Dr. Gururaj Murtugudde	07/04/2020 3pm-3:30pm
	1NC17CS088	SUKRUTH D N		
	1NC17CS095	VARUNRAJ PK		
B23	1NC17CS074	RAHUL KUMAR	Mrs. Prabha S Naik	07/04/2020 3:30pm-4pm
	1NC17CS080	SANKALPA C M		
	1NC17CS084	SONIYA G		
B24	1NC17CS065	NEEMA K R	Mrs. Swathi S	08/04/2020 1pm-1:30pm
	1NC17CS066	NISHA K R		
	1NC17CS075	RAKSHANDA D BELLARY		
B25	1NC16CS056	M R ZEBA REHAMAN	Mr. Gopinath A R	08/04/2020 1:30pm-2pm
	1NC17CS068	OMSHREE V		
	1NC17CS069	PAUL BHARAT DULAL		
B26	1NC17CS064	NAVYA G	Mrs. Bhagya M	08/04/2020 2pm-2:30pm
	1NC17CS067	NIVEDITHA C S		
B27	1NC17CS061	MULLA DADAKHALANDAR	Mr. Sudhakara Reddy M	08/04/2020 2:30pm-3pm
	1NC17CS073	PULAGAM VIKAS REDDY		
	1NC17CS087	SUBHAM VERMA		
B28	1NC17CS051	M N PRIYANKA	Mrs. Vidya V	08/04/2020 3pm-3:30pm
	1NC17CS059	MOWNIKA V S		
	1NC17CS101	YASHAWINI		
B29	1NC17CS071	PRANSHU PRATYUSH	Mr. Subramanya S G	08/04/2020 3:30pm-4pm
	1NC17CS079	SANCHIT KUMAR DIKSHIT		
	1NC17CS083	SHUBHAM YADAV		
B30	1NC17CS091	SWATHI T	Mrs. Nagashree	09/04/2020 1pm-1:30pm
	1NC17CS093	TEJASWINI K J		
B31	1NC17CS070	PRAKRUTHI D	Mr. Pramoda R	09/04/2020 1:30pm-2pm
	1NC17CS076	RAKSHITHA V		
	1NC17CS089	SUSHMA S		
B32	1NC17CS053	MANJUNATH S	Mr. Bhargava R	09/04/2020 2pm-2:30pm
	1NC17CS063	NARESH K		
	1NC17CS086	SRIHARI R		

3. **06/04/2020:** PBL Phase-II presentations scheduled timings through "Zoom app" is forwarded to guides through mail for their respective batches. And as per HOD, Dept. of CSE instructions, PBL core team for PBL Phase-II presentation formed.

   PBL core team for PBL Phase-II presentation:

   a) Dr. Anitha Patil
   b) Dr. Shantakumar B Patil
   c) Dr. Gururaj Murtugudde

4. **07/04/2020: :** PBL Phase-II presentations scheduled timings through "Zoom app" is forwarded to Principal Sir, Vice Principal Sir, Dean (Academics), Head of the Dept. (CSE) through respective email id's.

Format: Date, Timings, Faculty Name, Zoom URL
07/04/2020, 1:00pm-1:30pm, Dr. Anitha Patil https://us04web.zoom.us/j/671704078?pwd=eWdpdWdhOWE4MGZWSU1uTnF4T2llUT09 07/04/2020, 1:30pm-2:00pm, Mr. Pramoda K V https://us04web.zoom.us/j/935988628?pwd=Q3FWY2lyU3JPMW42Y2VRWm90OXNJdz09 07/04/2020, 2:00pm-2:30pm, Dr. Anitha Patil https://us04web.zoom.us/j/245029014?pwd=K1ljQVJrbEQ2OXJ0R1FWT3JHdm1ZUT09 07/04/2020, 2:30pm-3:00pm, Dr. Shantakumar B Patil https://us04web.zoom.us/j/198411496?pwd=bkUwc0dLcXFyTjFJVWRHMkpOaHZ3UT09 07/04/2020, 3:00pm-3:30pm, Dr. Gururaj Murtugudde https://us04web.zoom.us/j/922055422?pwd=akYwVUFpVElhY1lCOWZHY1BxRzVadz09 07/04/2020, 3:30pm-4:00pm, Mrs. Prabha Naik https://us04web.zoom.us/j/958295151?pwd=UXFkQ0NsRzg3T0ZKVGYyV0ZPVngxUT09 08/04/2020, 1:00pm-1:30pm, Mrs. Swathi S https://us04web.zoom.us/j/625723128?pwd=dGY4NzVNUUdtSXNXWDdpYk5pcXNydz09 08/04/2020, 1:30pm-2:00pm, Mr. Gopinath A R https://us04web.zoom.us/j/882764460?pwd=Ymg0ZUlBekpRNnc1dFk4QWhSZ3ZQdz09 08/04/2020, 2:00pm-2:30pm, Mrs. Bhagya M https://us04web.zoom.us/j/884809674?pwd=SFFMV2RiQ0pZR1lvdTE2WkxQeDJ0UT09 08/04/2020, 2:30pm-3:00pm, Mr. Sudhakara Reddy M https://us04web.zoom.us/j/949447135?pwd=UURKNHZocXU2VnhIdExDODF0cGF0dz09 08/04/2020, 3:00pm-3:30pm, Mrs. Vidya V https://us04web.zoom.us/j/714169477?pwd=OVZMK1N6M1pFYldGYkNQd3VkQmhRdz09 08/04/2020, 3:30pm-4:00pm, Mr. Subramanya S G https://us04web.zoom.us/j/473252956?pwd=ZmdpZXhIWk1ZaEtLcnBVamlCME5Bdz09 09/04/2020, 1:00pm-1:30pm, Mrs. Nagashree https://us04web.zoom.us/j/776991217?pwd=d1p5MWJsT1dLNVBETHB2T1hDVDNvUT09

09/04/2020, 1:30pm-2:00pm, Mr. Pramoda R
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09/04/2020, 2:00pm-2:30pm, Mr. Bhargava R
https://us04web.zoom.us/j/772841183?pwd=QTRkbWJDUHZDSk9iMkY3cEVEaDEwdz09

13/04/2020, 1:00pm-1:30pm, Dr. Shantakumar B Patil
https://us04web.zoom.us/j/529054713?pwd=Z2lMUkhMTm12NlJ3UUdkMkJjV1R4dz09

13/04/2020, 1:30pm-2:00pm, Dr. Gururaj Murtugudde
https://us04web.zoom.us/j/448479067?pwd=QzVXYVBRSnRmdExHVGpvbG1GRWdSZz09

13/04/2020, 2:00pm-2:30pm, Mrs. Prabha Naik
https://us04web.zoom.us/j/442739393?pwd=NmF4NUF2U1BkbEp3MXkwZ29IS09jZz09

13/04/2020, 2:30pm-3:00pm, Mrs. Swathi S
https://us04web.zoom.us/j/549956353?pwd=aFFtdDd4YllpdnNGTlB0WjFSYnhLQT09

13/04/2020, 3:00pm-3:30pm, Mr. Gopinath A R
https://us04web.zoom.us/j/277318039?pwd=QTR3NUwvako3akMxM1d0VlFBNXNQQT09

13/04/2020, 3:30pm-4:00pm, Mrs. Bhagya M
https://us04web.zoom.us/j/190432763?pwd=V3FqQzZRQmZrY0czVWZxUE14Y1dCQT09

15/04/2020, 1:00pm-1:30pm, Mr. Sudhakara Reddy M
https://us04web.zoom.us/j/481641400?pwd=RjZ2RkpTWE5FNmRtRmtta0kzVjZzQT09

15/04/2020, 1:30pm-2:00pm, Mrs. Vidya V
https://us04web.zoom.us/j/650799574?pwd=aXVlenMyc3FldXlQMFNhV1pqUnFVUT09

15/04/2020, 2:00pm-2:30pm, Mr. Subramanya S G
https://us04web.zoom.us/j/358191435?pwd=cGFVNk9CRHNYS2xkVlFBZWNSeGsrUT09

15/04/2020, 2:30pm-3:00pm, Mr. Raghavendra B
https://us04web.zoom.us/j/179627417?pwd=SFhRRExvcEczckxLc3k0ZWt4Wkdhdz09

15/04/2020, 3:00pm-3:30pm, Mr. Pramoda R
https://us04web.zoom.us/j/385706061?pwd=WmNKanNQZ3F6RUl2VHQ3eEVmRkJiQT09

15/04/2020, 3:30pm-4:00pm, Mr. Bhargava R
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16/04/2020, 1:00pm-1:30pm, Mr. Pramoda K V
https://us04web.zoom.us/j/150057394?pwd=MmhzajFrbk8ya0VZMVZiZXFWdUt6dz09

16/04/2020, 1:30pm-2:00pm, Mrs. Nagashree
https://us04web.zoom.us/j/293541693?pwd=bG9aUlRJRDZTMTYybEgwRUp2N3hXdz09

16/04/2020, 2:00pm-2:30pm, Ms. Priyanka
https://us04web.zoom.us/j/865043554?pwd=S1VPOU1DbktISzlNVkVOdzBsMThaUT09

16/04/2020, 2:30pm-3:00pm, Mr. Raghavendra T K
https://us04web.zoom.us/j/264973478?pwd=NVRick9ZWnF2WnRtYmt6a29QaEc0QT09

16/04/2020, 3:00pm-3:30pm, Mrs. Seema J
https://us04web.zoom.us/j/458427575?pwd=bHdhNmFDRXc2VVNpR1owa2J4Z283dz09

5. 07/04/2020-16/04/2020:

a) Project Phase-II presentation is done by students in front of PBL core team and guide.

b) Reviewing of the project, specifying changes/updations for the project carried out for every batch.

c) As per scheduled timings, we successfully completed PBL Phase-II presentations.

6. 17/04/2020:

We created folder name "PBL (17CSI654)" in Daily Monitoring folder (in Google Drive) under folder name "Raghavendra B". In "PBL" folder there are different folders with guide names (faculty member names) and in turn a folder with name "Batch Number". It is the responsibility of the guide to copy the following documents to the respective folders after the presentation (as per HOD instructions).

Documents to be uploaded:
1) Report
2) PPT
3) Snapshots of the presentation (along with participants list in Zoom app).

7. Documents are collected in the Google Drive as per standards specified.

8. PBL Phase-III presentation yet to be presented, as due to lockdown the hardware equipments are not available with students in the current scenario.

NAGARJUNA COLLEGE OF ENGINEERING ANDTECHNOLOGY
(Approved by AICTE, New Delhi and Affiliated to VTU, Belagavi)
Department of Computer Science and Engineering

Report on
AICTE New Policy:
"AICTE Activity Point Programme/Internship Policy"

July 2021

Department of Computer Science & Engineering, Nagarjuna college of Engineering & Technology, Banglore, KARNATAKA has undergone the AICTE New Policy "AICTE Activity Point Programme/Internship Policy" for the Engineering students with the motivation of Social Awareness apart from technical knowledge.

ABSTRACT

The purpose of Farm Management System is to automate the existing manual system by the help of computerized equipments and full-fledged computer software, fulfilling their requirements, so that their valuable data/information can be stored for a longer period with easy accessing and manipulation of the same. The required software and hardware are easily available and easy to work with.

Farm Management System, as described above, can lead to error free, secure, reliable and fast management system. It can assist the user to concentrate on their other activities rather to concentrate on the record keeping. Thus it will help organization in better utilization of resources. The organization can maintain computerized records without redundant entries. That means that one need not be distracted byinformation that is not relevant, while being able to reach the information.

The aim is to automate its existing manual system by the help of computerized equipments and full- fledged computer software, fulfilling their requirements, so that their valuable data/information can be stored for a longer period with easy accessing and manipulation of the same. Basically the project describes how to manage for good performances and better services for the clients.

INTRODUCTION

The "Farm Management System" has been developed to override the problems prevailing in the practicing manual system. This software is supported to eliminate and in some cases reduce the hardships faced by this existing system. Moreover this system is designed for the particular need of the company to carry out operationsin a smooth and effective manner.

The application is reduced as much as possible to avoid errors while entering the data. It also provides error message while entering invalid data. No formal knowledge is needed for the user to use this system. Thus by this all it proves it is user-friendly. Farm Management System , as described above, can lead to error free, secure, reliable and fast management system. It can assist the user to concentrate on their other activities rather to concentrate on the record keeping. Thus it will help organization in better utilization of resources.

Every organization, whether big or small, has challenges to overcome and managing the information of Equipments, Crops, Presticides, System User, Customer. Every Farm Management System has different Crops needs, therefore we design exclusive employee management systems that are adapted to your managerial requirements. This is designed to assist in strategic planning, and will help you ensure that your organization is equipped with the right level of information and details for your future goals. Also, for those busy executive who are always on the go, our systems come with remote access features, which will allow you to manage your workforce anytime, at all times. These systems will ultimately allow you to better manage resources.

SYSTEM REQUIREMENT SPECIFICATIONS

Software Requirements

Operating System	Windows 98, Windows XP, Windows 7
Language	PHP
Browser	Any of Mozilla, Opera, Chrome etc
Web Server	Apache2
Software Development Kit	XAMP
Database	MYSQL Server
Database Driver	MySQL

Hardware Requirements

Processor	Pentium III 630MHz
RAM	2GB or above
Hard disk	40 GB or above
Input device	Keyboard or mouse or compatible pointing devices
Display	XGA (1024*768 pixels) or higher resolution monitor with 32 bit color settings
Miscellaneous	USB Interface, Power adapter, etc

CHAPTER 3

SYSTEM ANALYSIS

System analysis is a process of gathering and interpreting facts, diagnosing problems and the information about the Farm Management System to recommend improvements on the system. It is a problem solving activity that requires intensive communication between the system users and system developers. System analysis or study is an important phase of any system development process. The system is studied to the minutest detail and analyzed. The system analyst plays the role of the interrogator and dwells deep into the working of the present system. The system is viewed as a whole and the input to the system are identified. The outputs from the organizations are traced to the various processes. System analysis is concerned with becoming aware of the problem, identifying the relevant and decisional variables, analyzing and synthesizing the various factors and determining an optimal or at least a satisfactory solution or program of action. A detailed study of the process must be made by various techniques like interviews, questionnaires etc. The data collected by these sources must be scrutinized to arrive to a conclusion. The conclusion is an understanding of how the system functions. This system is called the existing system. Now the existing system is subjected to close study and problem areas are identified. The designer now functions as a problem solver and tries to sort out the difficulties that the enterprise faces. The solutions are given as proposals. The proposal is then weighed with the existing system analytically and the best one is selected. The proposal is presented to the user for an endorsement by the user. The proposal is reviewed on user request and suitable changes are made. This is loop that ends as soon as the user is satisfied with proposal. Preliminary study is the process of gathering and interpreting facts, using the information for further studies on the system. Preliminary study is problem solving activity that requires intensive communication between the system users and system developers. It does various feasibility studies. In these studies a rough figure of the system activities can be obtained, from which the decision about the strategies to be followed for effective system study and analysis can be taken.

EXISTING SYSTEM

In the existing system the exams are done only manually but in proposed system we have tocomputerize the exams using this application.

- Lack of security of data.
- More man power.
- Time consuming.
- Consumes large volume of pare work.
- Needs manual calculations.
- No direct role for the higher officials

PROPOSED SYSTEM AND ITS ADVANTAGES

The aim of proposed system is to develop a system of improved facilities. The proposed system can overcome all the limitations of the existing system. The system provides proper security and reduces the manual work.

- Security of data.
- Ensure data accuracy's.
- Proper control of the higher officials.
- Minimize manual data entry.
- Minimum time needed for the various processing.
- Greater efficiency.
- Better service.
- User friendliness and interactive.
- Minimum time required.

CHAPTER 4

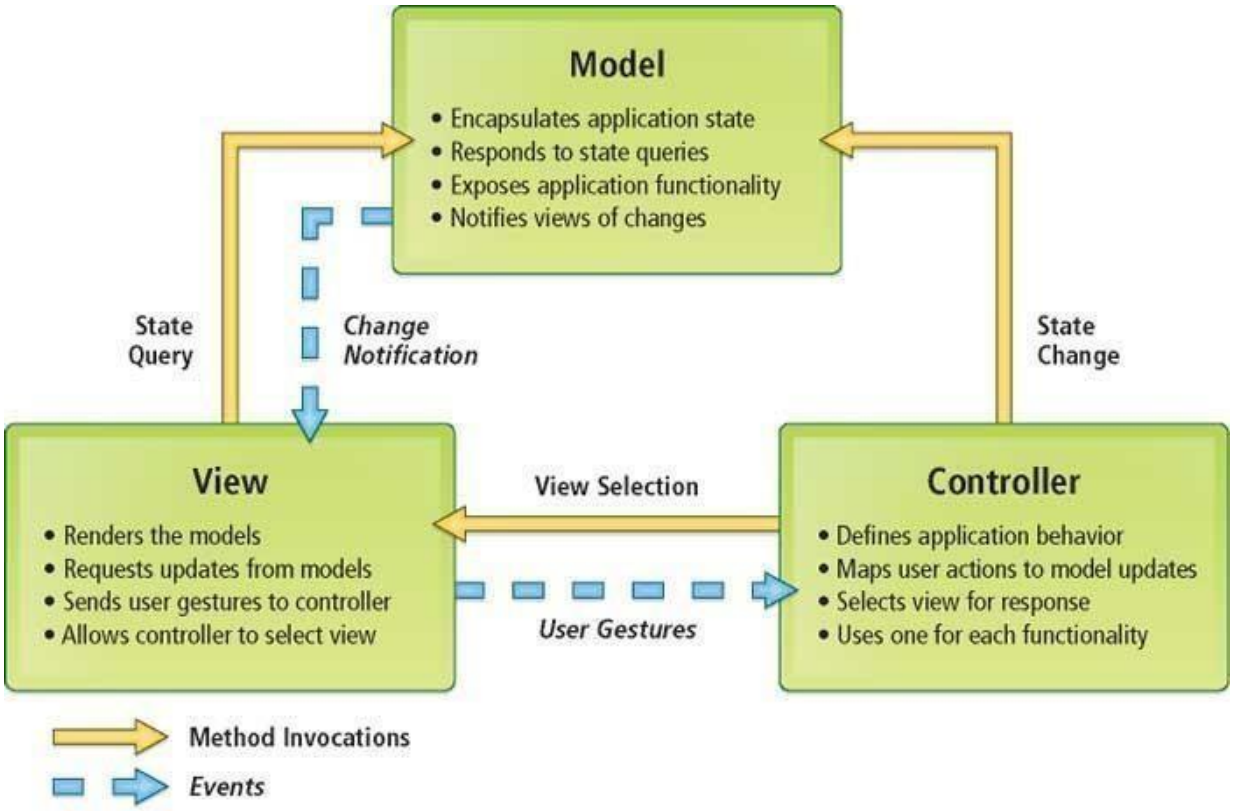
IMPLEMENTATION

Model View Controller or MVC as it is popularly called, is a software design pattern for developingweb applications. A Model View Controller pattern is made up of the following three parts:

- **Model** - The lowest level of the pattern which is responsible for maintaining data.
- **View** - This is responsible for displaying all or a portion of the data to theuser.
- **Controller** - Software Code that controls the interactions between the Model and View.

MVC is popular as it isolates the application logic from the user interface layer and supports separation of concerns. Here the Controller receives all requests for the application and then works with the Model to prepare any data needed by the View. The View then uses the data prepared by theController to generate a final presentable response. The MVC abstraction can be graphically represented as follows.

MVC (Model View Controller Flow) Diagram:



CHAPTER 5

CONCLUSION AND FUTURE ENHANCEMENT

Conclusion

Our project is only a humble venture to satisfy the needs to manage their project work. Several user friendly coding have also adopted. This package shall prove to be a powerful package in satisfying all the requirements of the school. The objective of software planning is to provide a frame work that enables the manger to make reasonable estimates made within a limited time frame at the beginning of the software project and should be updated regularly as the project progresses.

At the end it is concluded that we have made effort on following points:

- A description of the background and context of the project and its relation to work alreadydone in the area.
- Made statement of the aims and objectives of the project.
- The description of Purpose, Scope, and applicability.
- We define the problem on which we are working in the project.
- We describe the requirement Specifications of the system and the actions that can be done onthese things.
- We understand the problem domain and produce a model of the system, which describesoperations that can be performed on the system.
- We included features and operations in detail, including screen layouts.
- We designed user interface and security issues related to system. Finally the system is implemented and tested according to testcases.

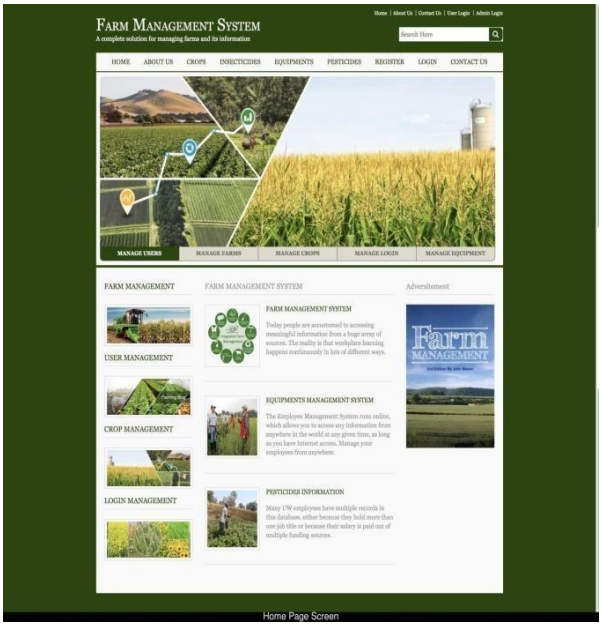
Future Scope of the Project:

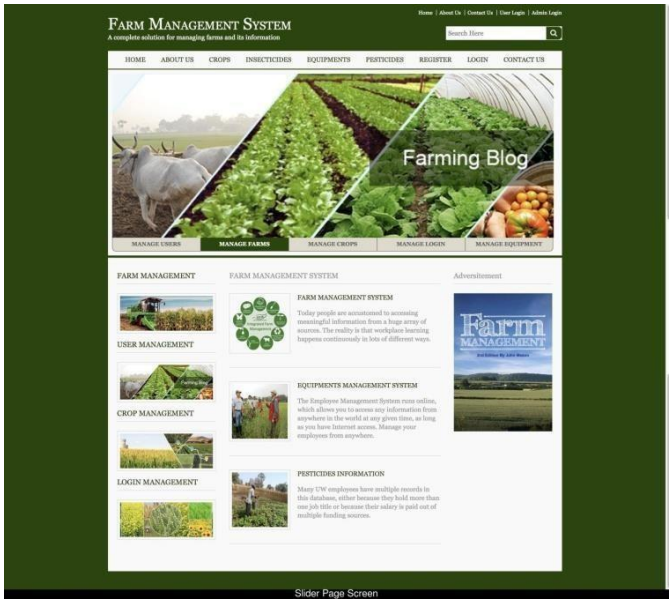
In a nutshell, it can be summarized that the future scope of the project circles aroundmaintaining information regarding:

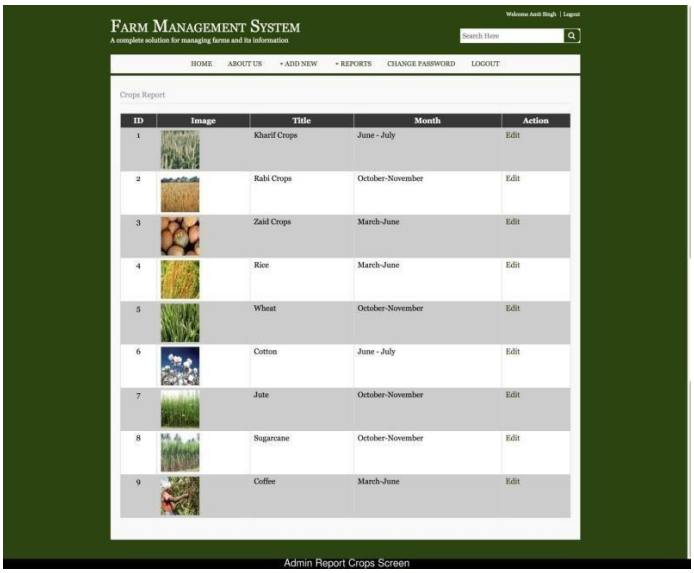
- We can add printer in future.
- We can give more advance software for Farm Management System including more facilities
- We will host the platform on online servers to make it accessibleworldwide
- Integrate multiple load balancers to distribute the loads of the system
- Create the master and slave database structure to reduce the overload of the database queries
- Implement the backup mechanism for taking backup of codebase and database on regular basison different servers

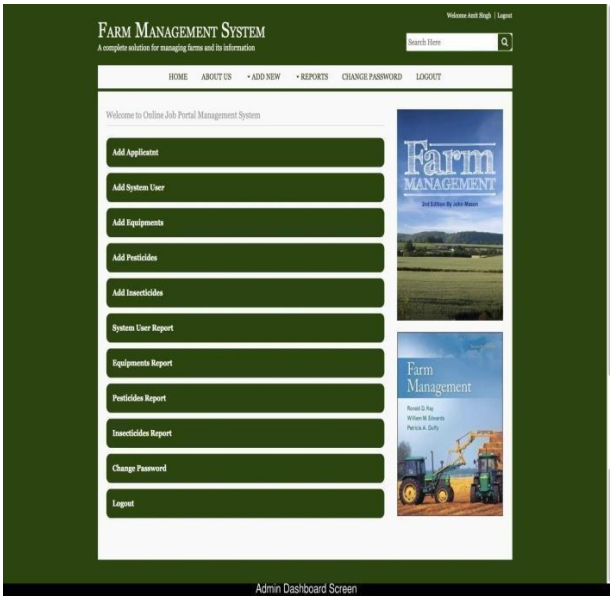
The above mentioned points are the enhancements which can be done to increase the applicability and usage of this project. Here we can maintain the records of Crops and Equipments. Also, as it can be seen that now-a-days the players are versatile, i.e. so there is a scope for introducing a method to maintain the Farm Management System. Enhancements can be done to maintain all the Crops, Equipments, Insecticides, Presticides, Customer.

OUTCOMES









Prof. Srikanth M S
Coordinator

Dr Dinesha H A
HOD

NAGARJUNA COLLEGE OF ENGINEERING AND TECHNOLOGY
(An Autonomous College Under VTU, Belagavi)
Department of Computer Science and Engineering

Report on
"AGRICULTURE AGRO APP DEVELOPMENT ACTIVITY"
May 2021

Department of Computer Science & Engineering, Nagarjuna College Of Engineering And Technology, KARNATAKA has undergone the "AGRICULTIRE AGRO APP DEVELOPMENT ACTIVITY" for the farmers to sell their own crops without the third party which is beneficial for them.

Objectives:

1. To be successful as professionals, students should have excellent soft skills, leadership qualities and team spirit.
2. To gain entrepreneurial capabilities and societal commitment.
3. To expose the real time life challenges, to provide opportunity to the farmers to sell their own crops without the third party, knowing about the government schemes and weather reports through online application.
4. To provide an opportunity for personal development.
5. To take up projects having social impact and to create digital awareness.

In this regard following are the activities conducted by the students of final year

i) Helping Farmers to upgrade knowledge on latest digital technologies.

ii) Helps remote area farmers too.

About the Activities Conducted

It's been initiated for the academic year 2020-21 along with the students of final year. Students were asked to get permission to conduct the activity and guided how to approach the beneficiaries and collect data. The students were divided into groups, each group of students have assigned with each one of the activity under the supervision of concerned faculties.

Each group of students delivered session on online farming, upgrading with latest technologies, new trends in farming, well defined plan on how to sell the crops to know about the commodity.

Details of activities conducted in surroundings of

1. Kurudi, Chikkaballapur district
2. Gowribidarnur, Chikkaballapur district
3. Bidhurashwatha, Chikkaballapur district
4. Doddaralgere, Bangalore rural district

Following are the activities conducted to promote VTU Activity internshipprogram

- Helping Farmers to upgrade knowledge on latest digital farming.
- Help farmers to know about their commodity.
- To impart knowledge in the field of digital farming.

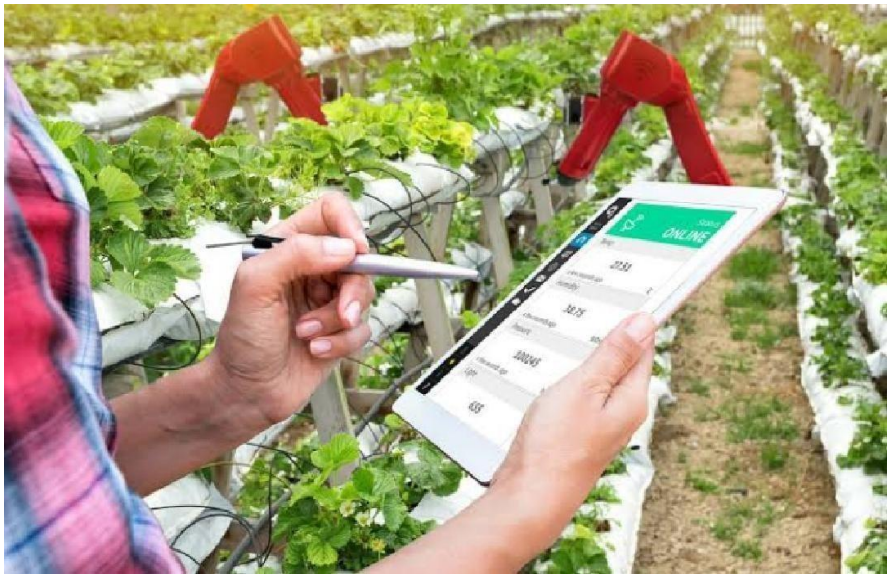
Every weekend the students carried out the assigned activities. Reported to the concerned faculties. Made to prepare the documentation about the carried activity.

Outcomes

This Activity Helped Farmers

- ✓ To Become Aware Of Real Life Challenges And To Know About Digital Farming.
- ✓ To Motivate themselves.
- ✓ To sell Their Own Crops Without The Third Party Which Is Beneficial For Them.
- ✓ To Excel in their Career.

@ Gowribidarnur, Chikkaballapur district



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Prof. Subramanya S G
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Language	PHP
Browser	Any of Mozilla, Opera, Chrome etc
Web Server	Apache2
Software Development Kit	XAMP
Database	MYSQL Server
Database Driver	MySQL

Hardware Requirements

Processor	Pentium III 630MHz
RAM	2GB or above
Hard disk	40 GB or above
Input device	Keyboard or mouse or compatible pointing devices
Display	XGA (1024*768 pixels) or higher resolution monitor with 32 bit color settings
Miscellaneous	USB Interface, Power adapter, etc

CHAPTER 3

SYSTEM ANALYSIS

System analysis is a process of gathering and interpreting facts, diagnosing problems and the information about the Farm Management System to recommend improvements on the system. It is a problem solving activity that requires intensive communication between the system users and system developers. System analysis or study is an important phase of any system development process. The system is studied to the minutest detail and analyzed. The system analyst plays the role of the interrogator and dwells deep into the working of the present system. The system is viewed as a whole and the input to the system are identified. The outputs from the organizations are traced to the various processes. System analysis is concerned with becoming aware of the problem, identifying the relevant and decisional variables, analyzing and synthesizing the various factors and determining an optimal or at least a satisfactory solution or program of action. A detailed study of the process must be made by various techniques like interviews, questionnaires etc. The data collected by these sources must be scrutinized to arrive to a conclusion. The conclusion is an understanding of how the system functions. This system is called the existing system. Now the existing system is subjected to close study and problem areas are identified. The designer now functions as a problem solver and tries to sort out the difficulties that the enterprise faces. The solutions are given as proposals. The proposal is then weighed with the existing system analytically and the best one is selected. The proposal is presented to the user for an endorsement by the user. The proposal is reviewed on user request and suitable changes are made. This is loop that ends as soon as the user is satisfied with proposal. Preliminary study is the process of gathering and interpreting facts, using the information for further studies on the system. Preliminary study is problem solving activity that requires intensive communication between the system users and system developers. It does various feasibility studies. In these studies a rough figure of the system activities can be obtained, from which the decision about the strategies to be followed for effective system study and analysis can be taken.

EXISTING SYSTEM

In the existing system the exams are done only manually but in proposed system we have tocomputerize the exams using this application.

- Lack of security of data.
- More man power.
- Time consuming.
- Consumes large volume of pare work.
- Needs manual calculations.
- No direct role for the higher officials

PROPOSED SYSTEM AND ITS ADVANTAGES

The aim of proposed system is to develop a system of improved facilities. The proposed system can overcome all the limitations of the existing system. The system provides proper security and reduces the manual work.

- Security of data.
- Ensure data accuracy's.
- Proper control of the higher officials.
- Minimize manual data entry.
- Minimum time needed for the various processing.
- Greater efficiency.
- Better service.
- User friendliness and interactive.
- Minimum time required.

CHAPTER 4

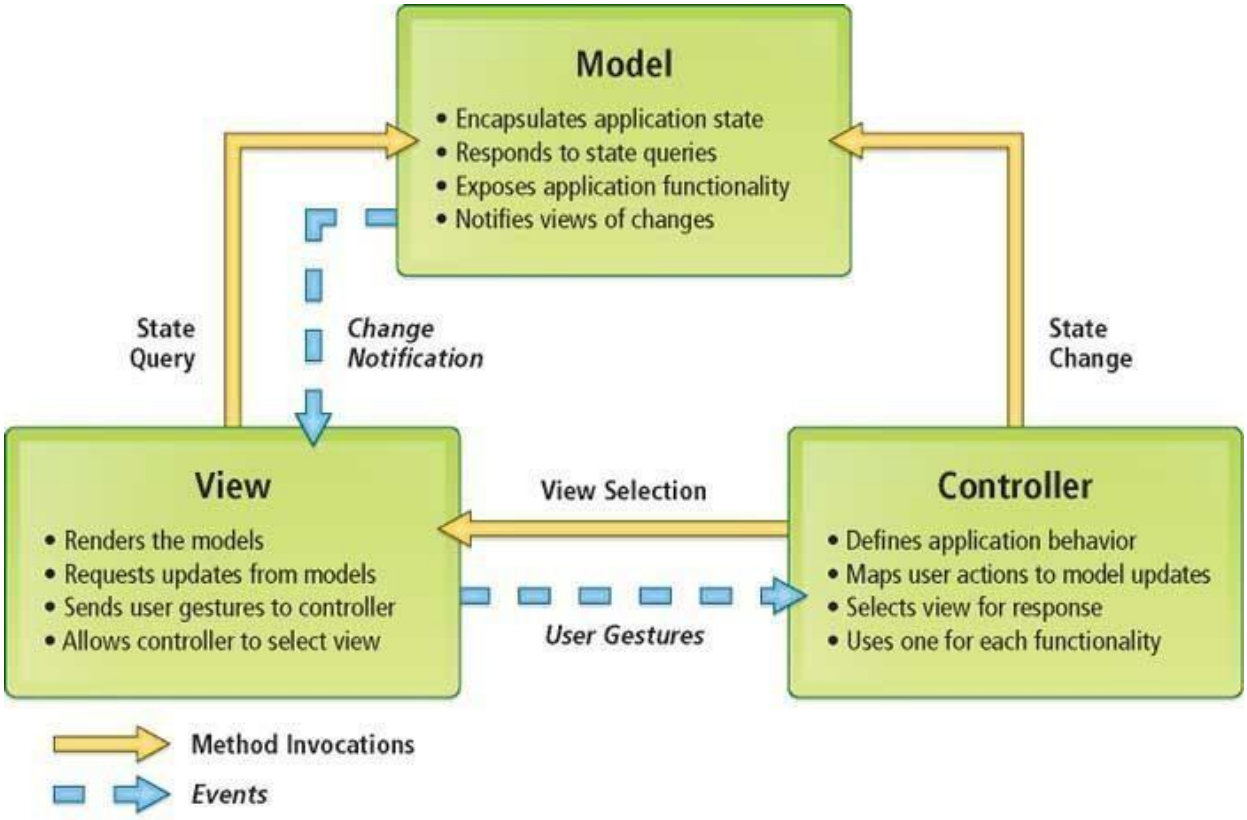
IMPLEMENTATION

Model View Controller or MVC as it is popularly called, is a software design pattern for developingweb applications. A Model View Controller pattern is made up of the following three parts:

- **Model** - The lowest level of the pattern which is responsible for maintaining data.
- **View** - This is responsible for displaying all or a portion of the data to the user.
- **Controller** - Software Code that controls the interactions between the Model and View.

MVC is popular as it isolates the application logic from the user interface layer and supports separation of concerns. Here the Controller receives all requests for the application and then works with the Model to prepare any data needed by the View. The View then uses the data prepared by theController to generate a final presentable response. The MVC abstraction can be graphically represented as follows.

MVC (Model View Controller Flow) Diagram:



CHAPTER 5

CONCLUSION AND FUTURE ENHANCEMENT

Conclusion

Our project is only a humble venture to satisfy the needs to manage their project work. Several user friendly coding have also adopted. This package shall prove to be a powerful package in satisfying all the requirements of the school. The objective of software planning is to provide a frame work that enables the manger to make reasonable estimates made within a limited time frame at the beginning of the software project and should be updated regularly as the project progresses.

At the end it is concluded that we have made effort on following points:

- A description of the background and context of the project and its relation to work alreadydone in the area.
- Made statement of the aims and objectives of the project.
- The description of Purpose, Scope, and applicability.
- We define the problem on which we are working in the project.
- We describe the requirement Specifications of the system and the actions that can be done onthese things.
- We understand the problem domain and produce a model of the system, which describesoperations that can be performed on the system.
- We included features and operations in detail, including screen layouts.
- We designed user interface and security issues related to system.
  Finally the system is implemented and tested according to test cases.

Future Scope of the Project:

In a nutshell, it can be summarized that the future scope of the project circles aroundmaintaining information regarding:

- We can add printer in future.
- We can give more advance software for Farm Management System including more facilities
- We will host the platform on online servers to make it accessible worldwide
- Integrate multiple load balancers to distribute the loads of the system
- Create the master and slave database structure to reduce the overload of the database queries
- Implement the backup mechanism for taking backup of codebase and database on regular basison different servers

The above mentioned points are the enhancements which can be done to increase the applicability and usage of this project. Here we can maintain the records of Crops and Equipments. Also, as it can be seen that now-a-days the players are versatile, i.e. so there is a scope for introducing a method to maintain the Farm Management System. Enhancements can be done to maintain all the Crops, Equipments, Insecticides, Presticides, Customer.

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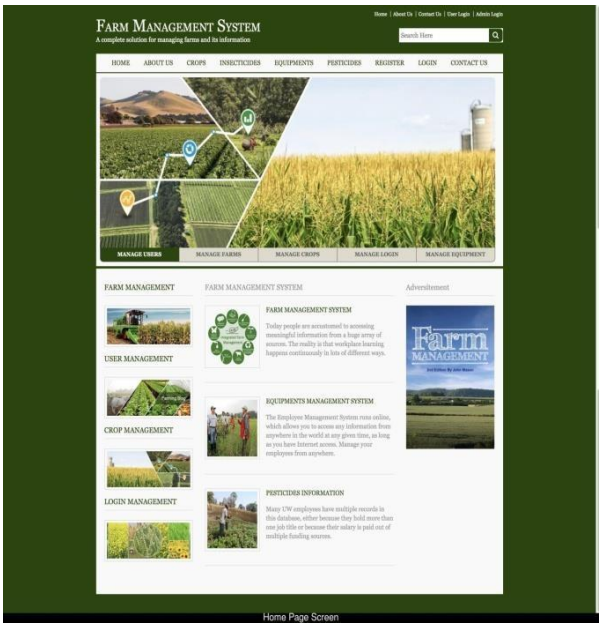
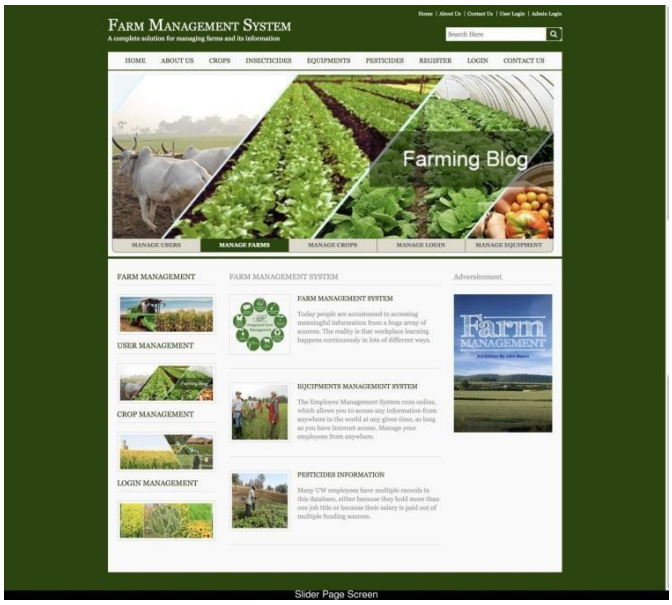
Department of Computer Science and Engineering

Accredited by NBA, New Delhi

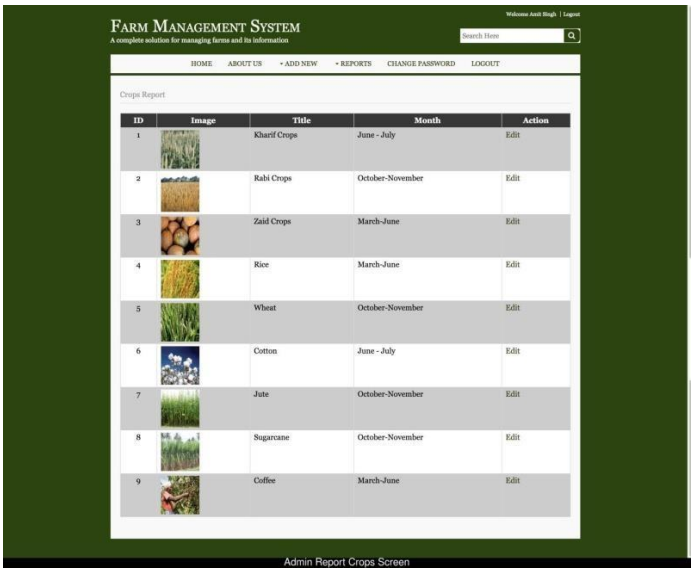
OUTCOMES



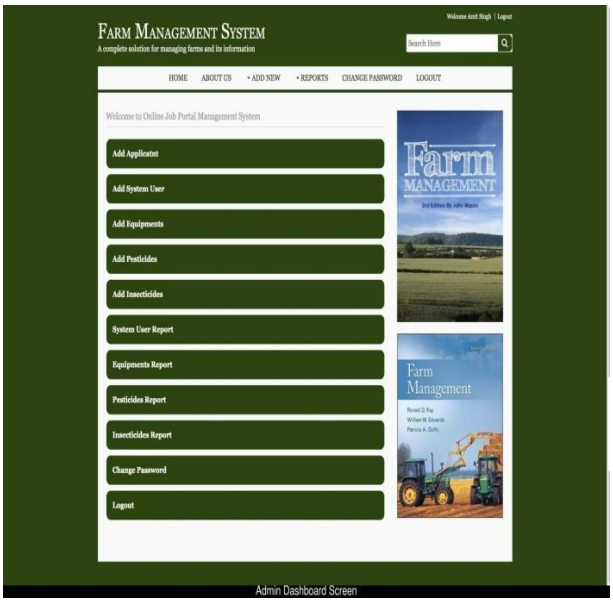
Home Page Screen



Slider Page Screen



Admin Report Crops Screen



Admin Dashboard Screen

NGI Association's
NAGARJUNA COLLEGE OF ENGINEERING AND TECHNOLOGY, BANGALORE
(Approved by AICTE, New Delhi and Affiliated to VTU, Belagavi)
Department of Computer Science and Engineering

Report on
AICTE New Policy:
"AICTE Activity Point Programme/Internship Policy"

July 2021

Department of Computer Science & Engineering, Nagarjuna college of Engineering & Technology, Bangalore, KARNATAKA has undergone the AICTE New Policy "AICTE Activity Point Programme/Internship Policy" for the Engineering students with the motivation of Social Awareness apart from technical knowledge.

Objectives:

1. To be successful as professionals, students should have excellent soft skills, leadership qualities and team spirit.
2. To gain entrepreneurial capabilities and societal commitment
3. to expose the real time life challenges, to provide opportunity to gather data, analyze data, propose solutions and implement solutions
4. To provide an opportunity for personal development
5. To take up projects having social impact and to create digital awareness.

In this regard following are the activities conducted by the students of 8th semester.

i) Helping Govt school students to upgrade knowledge on latest computer technologies.

ii) Help students to setup there long term goals.

iii) To impart knowledge in the field of IoT and AI (by developingProjects).

About the Activities Conducted

It's been initiated for the academic year 2020-21 along with the students of 4th year. Students were asked to get permission to conduct the activity and guided how to approach the beneficiaries and collect data. The students were divided into groups , each group of students have assigned with each one of the activity under the supervision of concerned faculties.

Each group of students delivered session on Computer awareness, upgrading with latest technologies, new trends in computer science, well defined plan on how to study for examinations, knowledge on how plan for higher studies and so on….

Details of activities conducted in surroundings of

1. Govt. High School, Narayanapura
2. Anantha Vidyaniketana School , Avathi
3. BGS World School, Chikkaballapur

Following are the activities conducted to promote VTU Activity internship program

- Helping Govt school students to upgrade knowledge on latest computer technologies
- Help students to motivate for new innovative ideas.
- To impart knowledge in the field of IoT and AI

Every weekend the students carried out the assigned activities. Reported to the concerned faculties. Made to prepare the documentation about the carried activity

Outcomes

This Activity Helped Students

- ✓ To Become Aware Of Real Life Challenges
- ✓ To Able To Motivate themselves
- ✓ To Excel in their Career.

NGI Association's

NAGARJUNA COLLEGE OF ENGINEERING AND TECHNOLOGY, BANGALORE

(Approved by AICTE, New Delhi and Affiliated to VTU, Belagavi)

Department of Computer Science and Engineering

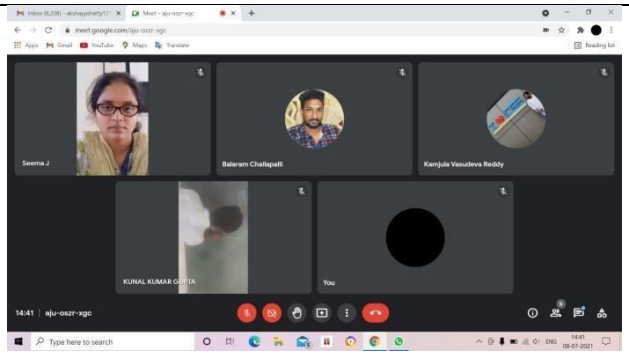
Activity on latest Computer Technologies

Activity on latest Computer Technologies

Activity on Information and Technology

Activity on Information and Technology

Activity on how to set long term goals



Virtual Meetup and guide

Prof. Seema J
Coordinator

Dr. Dinesha H A
HOD

NGI Association's
NAGARJUNA COLLEGE OF ENGINEERING AND TECHNOLOGY, BANGALORE
(Approved by AICTE, New Delhi and Affiliated to VTU, Belagavi)
Department of Computer Science and Engineering

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Objectives:

1. To be successful as professionals, students should have excellent soft skills, leadership qualities and team spirit.
2. To gain entrepreneurial capabilities and societal commitment
3. To expose the real time life challenges, to provide opportunity to gather data, analyze data, propose solutions and implement solutions
4. To provide an opportunity for personal development
5. To take up projects having social impact and to create digital awareness.

In this regard following are the activities conducted by the students of 8th semester.

i) Helping Government school students to upgrade knowledge on latest computer and IOT technologies.

ii) Help students to setup there long term goals.

iii) To impart knowledge in the field of IOT and how IOT is used in military operations(by developing Project Prototype).

About the Activities Conducted

It's been initiated for the academic year 2020-21 along with the students of 4th year. Students were asked to get permission to conduct the activity and guided how to approach the beneficiaries and collect data. The students were divided into groups , each group of students have assigned with each one of the activity under the supervision of concerned faculties.

Each group of students delivered session on Computer awareness, upgrading with latest technologies, new trends in computer science, well defined plan on how to study for examinations, knowledge on how plan for higher studies and so on….

Details of activities conducted in surroundings of

1. Government High School, Melur
2. Anantha Vidyaniketana School , Avathi
3. Government High School, Peresandra

Following are the activities conducted to promote VTU Activity internship program

- Helping Government school students to upgrade knowledge on latest technologies like IOT
- Help students to motivate for new innovative ideas.
- To impart knowledge in the field of IOT and IOT based real time applications

Every weekend the students carried out the assigned activities. Reported to the concerned faculties. Made to prepare the documentation about the carried activity

Outcomes

This Activity Helped Students

- ✓ To Become Aware Of Real Life Challenges
- ✓ To Able To Motivate themselves
- ✓ To Excel in their Career.

Group of students involved in developing IOT Based Camouflage Surveillance Robot project prototype.

Students interaction with government school students about the IOT and project prototype.

NGI Association's

NAGARJUNA COLLEGE OF ENGINEERING AND TECHNOLOGY, BANGALORE

(Approved by AICTE, New Delhi and Affiliated to VTU, Belagavi)

Department of Computer Science and Engineering

Project Prototype Outcomes:

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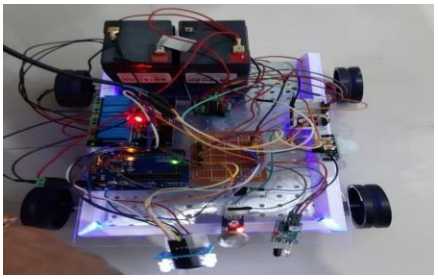
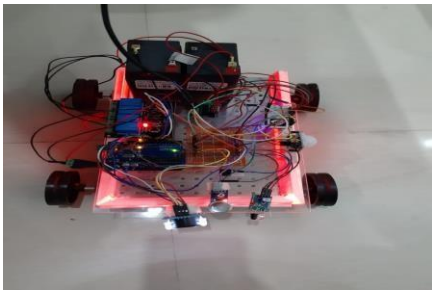
<td> 
Robot changes to blue color</td>
<td> 
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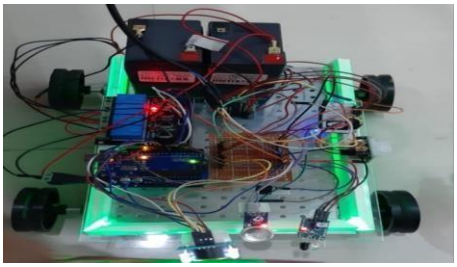
<td> 
Robot changes to green color</td>
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Working of PIR Sensor on Blynk Application</td>
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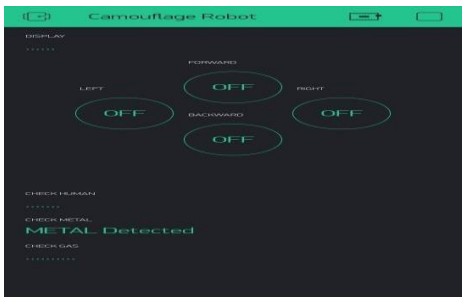
<td> 

Working of metal sensor on Blynk Application</td>
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Working of gas sensor on Blynk Application</td>
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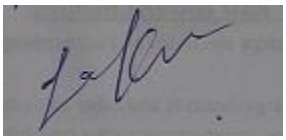


Dr. Dinesha H A
HOD

Prof. Srikanth M S
Coordinator

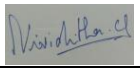
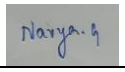
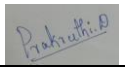
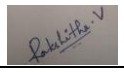
NAGARJUNA COLLEGE OF ENGINEERING & TECHNOLOGY

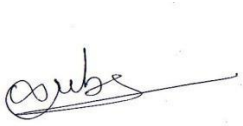
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

(An Autonomous College under VTU, Belagavi)

VTU ACTIVITY POINT PROGRAMME

Date: 06-03-2021, 12-04-2021, 03-05-2021, 22-06-2021
Time: 9 to 11 AM
Activity: Agriculture Agro App Development which is very useful for the farmers to sell their own crops without any third party, knowing about the government schemes and weather forecasting through this application which is beneficial for them.
Name of the College: NCET **Class:** 8th sem CSE

Sl.No	NAME OF THE STUDENTS	SIGNATURE
1.	Ms. Niveditha C S – 1NC17CS067	
2.	Ms. Navya G - 1NC17CS064	
3.	Ms. Prakruthi D – 1NC17CS070	
4.	Ms. Rakshitha V – 1NC17CS076	



Mr. Subramanya S G
Asst. Professor, CSE

HOD