TEACHING LEARNING CENTRE

A Centre of Excellence for Curriculum & Pedagogy

TEZPUR UNIVERSITY

2018-2019

ANNUAL

REPORT

शिक्षण अधिगम केंद्र / **TEACHING LEARNING CENTRE**
तेजपुर विश्वविद्यालय / TEZPUR UNIVERSITY
(पाठ्यक्रम व अध्यापन कला का एक उत्कृष्ट केंद्र / A Centre of Excellence for Curriculum and Pedagogy)
पंडित मदन मोहन मालवीय राष्ट्रीय शिक्षक व शिक्षण मिशन
Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching

MHRD
Pandit Madan Mohan Malaviya National
Mission on Teachers and Teaching

PREFACE

The Teaching Learning Centre (TLC) of Tezpur University started its journey in January, 2016 as the only such centre in the state of Assam under the Pandit Madan Mohan Malaviya National Mission on Teachers and Training (PMMMNMTT) scheme sponsored by the Dept. of Higher Education, MHRD, Govt. of India. Till now, TLC, TU has been successful in imparting training to more than 1300 participants through 31 programs. In 2018-19, TLC has conducted thirteen programs and trained 465 teachers and prospective teachers. In this year the Centre has initiated continuous activities of e-content development and pedagogical research. Through these programs TLC has been able to relentlessly pursue its mission of promoting best practices in teaching and learning. This year's main focus areas of the conducted activities were teaching learning pedagogy, learning through second language, generating resources in specific fields of pedagogy and professional development through various skills.

TLC has grown in terms of infrastructure as well. The permanent building of TLC is completed in November, 2018. TLC has now forayed into development of digital content in the year 2018 – 19 by way of generation of video modules which are uploaded in the TLC, TU YouTube channel with a link to TLC webpage. This Report is an attempt to highlight the activities undertaken to facilitate teaching learning among the higher education communities.

Mrinmoy K. Sarma
Director, Teaching Learning Centre
Professor, Dept. of Business Administration
Dated, Tezpur, The 10th of May, 2019

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A Brief Sketch of TLC Activities in 2018 – 2019

1.1. Highlight of Activities for F / Y 2018 – 2019

Completion of TLC Building

2 Induction Training of Faculty Programs

2 **Collaborative Programs** in Tezpur University

6 Outreach Programs in different Colleges of Assam and Arunachal Pradesh

TLC's first outreach program in **Arunachal Pradesh**

1 **Follow-up** program

4 Pedagogical Researches

Total of **465** persons trained

254 minutes of Video Content Created

Database on e-resource support generated on 49 topics

1.2. Completed Activities (2018-19)

1. Activity: **Convergence-I (Follow-up Workshop)**
Duration: 1 Day
Date: 25-Apr-18
Number of Beneficiaries: 15

2. Activity: **Workshop on Action Research Program**
Duration: 1 Day
Date: 08-May-18
Number of Beneficiaries: 24

3. Activity: **Induction Training of Faculty-II**
Duration: 30 Days
Date: 6 June- 5 July 2018
Number of Beneficiaries: 40

4. Activity: **Workshop on Development of Structure for Outreach Training Programme on Innovation and Rejuvenation of Teaching in Higher Education**
Duration: 1 Day
Date: 01 August 2018
Number of Beneficiaries: 10

5. Activity: **Induction Training of Faculty-III**
Duration: 30 Days
Date: 26 November -26 December 2018
Number of Beneficiaries: 25

6. Activity: **Outreach Program on *Innovation and Rejuvenation of Teaching in Higher Education* at Silapathar College, Dhemaji**
Duration: Weeklong
Date: Dec 28, 2018 –Jan 3,2019
Number of Beneficiaries: 51

7. Activity: **Outreach Program on *Innovation and Rejuvenation of Teaching in Higher Education* at Dera Natung College, Itanagar**
Duration: Weeklong
Date: Jan 12-17, 2019
Number of Beneficiaries: 39

8. Activity: **Outreach Program on *Innovation and Rejuvenation of Teaching in Higher Education* at Suren Das College**
Duration: Weeklong
Date: Feb 4-9, 2019
Number of Beneficiaries: 28

9. Activity: **Outreach Program on *Innovation and Rejuvenation of Teaching in Higher Education* at SPP College, Sivasagar**
Duration: Weeklong
Date: Jan 28 – Feb 2, 2019
Number of Beneficiaries: 57

10. Activity: **Outreach program on *Innovation and Rejuvenation of Teaching in Higher Education* at Namrup College, Dibrugarh**
Duration: Weeklong
Date: Feb 9-14, 2019
Number of Beneficiaries: 47

11. Activity: **Outreach program on *Innovation and Rejuvenation of Teaching in Higher Education* at North Lakhimpur College**
Duration: Weeklong
Date: Feb 18-23, 2019
Number of Beneficiaries: 40

12. Activity: **Workshop in Collaboration with Dept. of Environmental Science, TU**
Duration: Weeklong
Date: Jan 28- Feb 3, 2019
Number of Beneficiaries: 49

13. Activity: **Workshop in Collaboration with Dept. of Mass communication and Journalism, TU**
Duration: Weeklong
Date: Feb 11-17, 2019
Number of Beneficiaries: 40

14. Activity: **Action Research (4 Projects are approved)**
Duration: Continuous
Date: 2018-19
Progress: 4 projects Completed

15. Activity: **E-content development**
Duration: Continuous
Date: 2018-19
Progress: Total 254 Minutes Video Developed

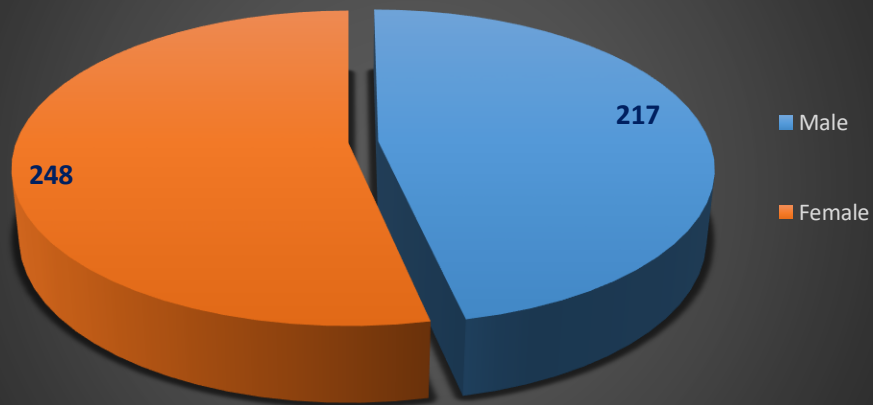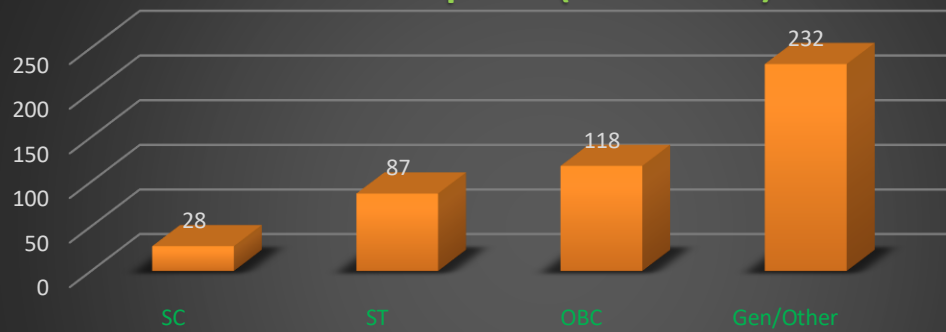16. Activity: **Compilation of e-Resource Support**
Duration: Continuous
Date: 2018-19
Progress: e-Resource Support for 49 topics are generated through different program etc.

Gender Wise Distribution of Participants

217 — Male

248 — Female

Category wise distribution of Participants(Total-465)

Category	Value
SC	28
ST	87
OBC	118
Gen/Other	232

TLC, TU
A Brief Depiction

2.1. Introduction

In line with the National Policy on Education (NPE) 1986, the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) made a focused reference to the crucial dependence of quality ensured delivery of education. The Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) is a central government sponsored scheme with all-India coverage. One among the initiatives of PMMMNMTT is setting up of Teaching Learning Centre (TLC) in different Central Universities.

The TLC promotes the value and practice of excellent teaching that facilitates student learning. The TLC program and resources support evidence based teaching and provide diverse opportunities for teachers. TLC also aims to empower teachers through training, re-training, refresher and orientation programmes in generic skills, pedagogic skills, discipline specific content up-gradation, ICT and technology enabled training and other appropriate interventions. Keeping in mind the noble mission behind launching the PMMMNMTT Scheme and the growing realization of a system-wide transformation, Tezpur University came forward to take the initiative of setting up a TLC under the Centre of Excellence for Curriculum and Pedagogy. As a research-extensive university, Tezpur University has always had a unique mission to support the learning, integrating teaching, research, and service in order to better serve the people. In order to meet the teaching and learning needs of North East India in specific and India in general, Tezpur University has set up a distinct Teaching Learning Centre in its campus with the financial support of MHRD under the PMMMNMTT Scheme. Teaching Learning Centre, Tezpur University, Tezpur, Assam was formally inaugurated on January 28, 2016.

2.2. Vision

The TLC envisions developing and promoting a responsive and relevant teaching–learning system for higher education communities and contributing to excellence in teaching and learning as an innovative and resourceful centre with committed and professional staff through reflective research-based practice and the optimal use of technology.

2.3. Mission

- To accelerate teaching-learning process by way of promoting independent, critical and creative thinking.
- To hand-hold the teaching community in facilitating research for subject specific growth.
- To enable the development of skills engaging latest technological devices as aids to teaching-learning process.
- To help faculty in capacity building for curriculum designing and scientific assessment and evaluation.
- To provide information about resources and events related to the enhancement of teaching and learning.
- To develop innovative programmes in order to strengthen the inclusive nature of higher education by bringing the disadvantaged and marginalized sections of the society.

2.4. Objectives

1. To organize workshops and seminars to facilitate capacity building and professional development of teachers.

2. To provide assistance and support for promoting best practices in teaching learning environment through research and dissemination of already generated knowledge.

3. To generate and maintain learning materials and resources for easy access to learners and teachers.

4. To develop discipline specific (pedagogy, language, science and social sciences) curricular framework for professional development programme.

5. To prepare an outline of different pedagogy and scheme of assessment and evaluation method of different discipline.

2.5. Human Resources

Designation	Name	Date of Joining
Director	Dr. Mrinmoy K. Sarma Professor, Dept. of BA, TU	24th May, 2017
Asst. Professor	Dr. Swapnarani Bora Discipline: Assamese	24th May, 2016
Asst. Professor	Mr. Ikbal Hussain Ahmed Discipline: Philosophy	2nd June, 2016
Research Associate	Dr. Bhushita Patowari Discipline: Statistics	18th May 2016
Technical Assistant	Mr. Milan Jyoti Deka Discipline: ECE	15th June 2016

2.6. Advisory Committee

Sl. No.	Member	Designation
1.	Dean, School of Humanities and Social Sciences, TU	Ex-officio Chairperson
2.	Director, Teaching Learning Centre, TU	Ex-officio Co-Chairperson
3.	Head, Department of Education	Ex-officio Member Secretary
4.	All Deans of Schools	Members
5.	Registrar, TU	Member
6.	Controller of Examination, TU	Member
7.	Dr. Swarnalata Das, Professor Emeritus, GU	Member
8.	Dr. Santosh Panda, Professor, Staff Training and Research Institute of Distance Education, IGNOU	Member
9.	Dr. Yeasmin Sultana, Asst. Professor, Dept. of Education, TU	Member

2.7. Activities undertaken in the TLC

1. Development of Teaching Learning Materials including E-content
2. Prepare an outline of different pedagogy and scheme of assessment and evaluation
3. Professional Development Programmes
4. Pre-Induction Programmes
5. Orientation Programs/ Refresher Courses
6. Workshop on various themes of Teaching and Learning
7. Seminar / Conference
8. Action Research Programme
9. Publication (Handbooks, Proceeding of seminars and Journals on Teaching Learning)
10. Resource Support
11. Research

2.8. Target Group

College and University Level Teachers and Researchers and P.G. students.

2.9. Geographical Area

Assam and Arunachal Pradesh in particular and North-East India in general.

2.10. Focus Areas

Main focus areas of the conducted activities are teaching learning pedagogy, innovation and rejuvenation of higher education, generating resources in specific fields of pedagogy and professional development through various skills.

Detail Report on Conducted Activities

3.1. CONVERGENCE – I (A TLC FOLLOW-UP PROGRAM) AT TEACHING LEARNING CENTRE, TEZPUR UNIVERSITY

A One-day follow-up program was organized by Teaching Learning Centre, Tezpur University on April 25, 2018 for the beneficiaries of TLC training programs. The program was termed Convergence-I as this is the first phase of such a program. In Convergence-I participants from *Induction Training of Faculty-I* (November 23 – December 22, 2017) were invited to join the program and share their experiences and how they implemented the learning outcome of the training. Altogether, there were 15 participants from different department of the University. In addition, 2 outstation participants joined the discussion online. The program was broadcasted live on TLC YouTube Channel.

The Director, TLC, TU started with welcome address and discussed about TLC's action plan of current quarter (April – June, 2018) that is about Action Research, e-module and e-resources development. Then the director discussed about the beneficiaries that they can contribute to the enhancement of teaching learning process through programs conducted by TLC. The following things were discussed in the program:

1. Conducting Experimental Action Research in different departments.
2. Generating discipline specific video content
3. Contributing to TLC E-Resource Repository

The participants discussed about different aspects in relation to these three programs. Most of them showed interest in contributing to these fields. It was also announced that a workshop on action research would be conducted to guide and motivate the young teachers. The follow up meet was successfully concluded with a thank you note.

3.2 WORKSHOP ON DEVELOPMENT OF STRUCTURE FOR ACTION RESEARCH AT TEACHING LEARNING CENTRE, TEZPUR UNIVERSITY

A one-day Workshop on Structure Development for Action Research was organized by Teaching Learning Centre, Tezpur University on May 08, 2018. The workshop aimed to give an overall idea and structure of action research for teachers. There were 24 participants including Faculty members, Administrator and Research Scholars. For the day long program 2 resource persons were invited, they were Dr. Manashee Gogoi, Head, Dept., of Education, Dibrugarh University and Dr. Mizo Prova Borah, Head, Dept., of Languages, SCERT, Assam. Both the resource persons took all the sessions jointly (schedule of the program is given herewith). In the first session a brief introduction to action research was given where a theoretical aspects of action research was discussed with the participants. It was followed by discussion on recent trends of action research as figured out by the resource persons. Post lunch session was activity session where participants worked in groups about identifying action research problem and preparing a brief write-up. Finally, each group presented their identified problems of action research. The program ended with a brief speech from Prof. Mrinmoy K. Sarma, Director, Teaching Learning Centre, Tezpur University.

Some moments from the workshop:

Dr. Manashee Gogoi

Dr. Mizo Probha Borah
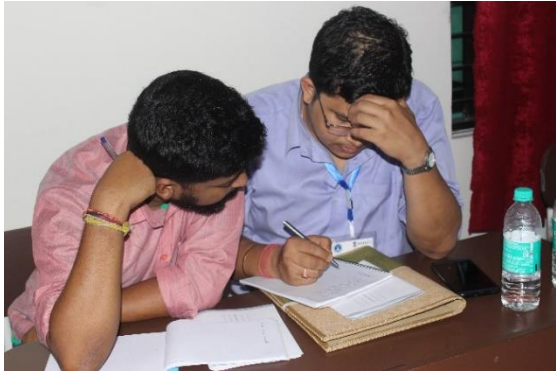
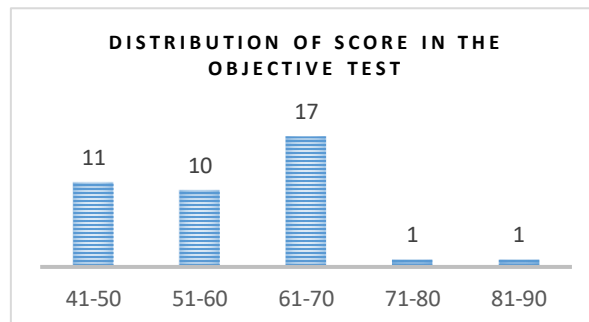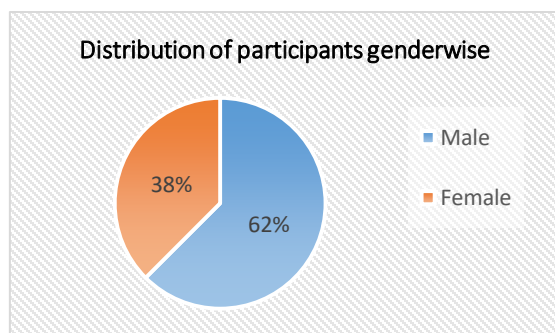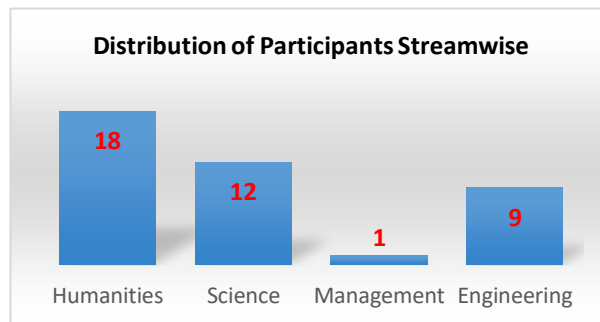Participants during Group Activity

Participants during presentation

Group Photo

3.3 INDUCTION TRAINING OF FACULTY (JUNE – JULY, 2018)

AT TEACHING LEARNING CENTRE, TEZPUR UNIVERSITY

A month long program "Induction Training of Faculty" was organized by Teaching Learning Centre (TLC), Tezpur University during June 06 to July 05, 2018. This was the second Induction Training Program conducted by TLC, TU. Altogether 40 newly inducted faculty members of various disciplines from different academic institutions from Assam and Arunachal Pradesh participated in the program. Among them **18** participants were from *Humanities*, **12** from *Science*, **1** from Management and **9** from *Engineering*. There were **25 male** participants and **15 female** participants in the program. The content of the program was prepared according to the guidelines of MHRD that cover different topics related to Higher Education. **51 Resource Persons** consisting of **Academic Administrators** *(Vice Chancellors and Registrar),* **A**cademicians from different disciplines *(Science, Management, Engineering, Humanities and Social sciences)*, **Social Activists** and **Fitness Experts** shared rich experiences and insights about being good, effective, motivating teachers who are custodians of values and culture of a society as well as change agents, role model, society and nation building, administrative aspects including procedures and rules. The program also tried to cover some activity like screen casting, e-resources, google classroom, google form, practice teaching, group discussion and presentation. Feedback for each resource person was taken separately in online mode. In the last week of the program an examination was conducted based on objective type questions provided by respective resource persons. There were **4** academic sessions in each day.

Distribution of Participants categorywise

Distribution of Participants Streamwise

Distribution of participants genderwise

DISTRIBUTION OF SCORE IN THE OBJECTIVE TEST
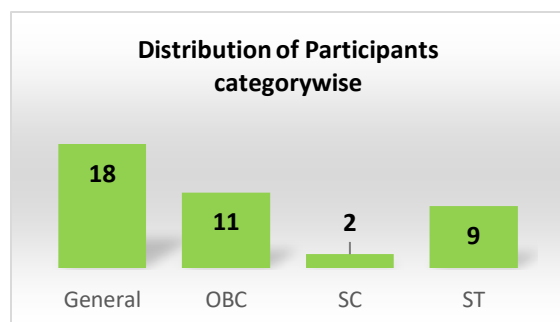
Day I: (June 06, 2018)

The program started with welcome address by **Prof. Mrinmoy K. Sarma**, Director, TLC, TEzpur University followed by introduction of participants in inauguration & Orientation session. The Director gave an overview of the month long program.

Prof. Mrinmoy K. Sarma
& Prof. Madan M. Sarma

Prof. Madan M. Sarma, Department of EFL, TU deliberated on *"Role of Teacher in Society"* in the second session. The speaker discussed about role of teacher on the basis of three main themes and they are i) Traditional role of a teacher, ii) Teacher's role today and iii) Teacher's role in developed nations. According to him teacher should create condition that learning could take place along with personal goal with social responsibility or social justice took place. He also discussed some scenario where teacher's social role comes out.

In the third session, **Dr. Jyotirmay Jana**, Retd. Faculty, Department of English, Nowgong Girls' College, Nagaon, Assam delivered a lecture on *"Notions of Class & Gender in Education: Challenges to Overcome".* He

discussed about the class hierarchy and oppression prevailed within the Sunday School System owned by the factory owners in the 18th & early part of 19th century. It shows the dominance & power of the rulling class over the working class. Dr. Jana cited different evidences of catalystic system of education which are nothing but hindrances for the growth of creative knowledge. He strived on the importance of equality of educational opportunities irrespective of one's class or gender in the present society. Education is an apparatus to change and we have to be consistently quest for the unknowns, how to overcome the challenges in the path of acquiring knowledge because changing knowledge is synonymous to changing the society.

Dr. Jyotirmay Jana

Last session was an activity session where participants were divided into 7 groups and each group identified different challenges of teacher in classroom. Their write-up was collected and retain for discussion in the next activity session.

Prof. Debabrata Das

Day II: (June 07, 2018)

In the 1st session **Prof. Debabrata Das**, Department of Business Administration (Director, CODL), Tezpur University delivered a speech on *"How to Publish".* The speaker explained about different aspects of publishing articles like how to proceed, different ways to select good publication, ethics in academic writing particularly ethical guideline of UNESCO. He gave a framework of publication, paper writing model and ethics in academic writing.

In the 2nd session **Prof. A. J. Choudhury**, Vice-chancellor, Assam Down Town University delivered his speech on *"Evolution of Higher Education Sector in India"*. He explained about evolution from primary education to university education along with some of the features of higher education. He also highlighted some of the indicative figures of Higher education. In the 3rd session Prof. A. J. Choudhury discussed on *"Contribution of Universities"*. The speaker mentioned about cultural movement, evolution and roll of renowned universities around the world. Last session was an activity session where the participants were asked to give assignment of e-resources on their respective subject areas individually.

Prof. A. J. Choudhury

Day III: (June 08, 2018)

In the 1st session **Prof. B. K. Danta**, Department of EFL, TU delivered his speech on *"The ZBC of Creativity in Higher Education"*. The speaker mentioned about what is creativity, who is creative with different example. He also added how one could be creative as a teacher. The session was an interactive session as the participants interchange their views and discussed with the resource person.

Prof. B. K. Danta

Second session was taken by **Prof. D. C. Baruah**, Department of Energy (Director, IQAC), TU on *"Internal Quality Assessment"*. The speaker discussed about linkage of external and internal quality that leads to assessment of an institution. Also mentioned about primary aim of IQAC with different strategies and composition of IQAC.

Prof. D. C. Baruah

Post lunch sessions were activity session where a movie "Freedom Writers Diary" had been shown to the participants and were asked to review the movie in their respective groups.

Day IV:(June 11, 2018)

In the first session **Prof. A. K. Buragohain**, Vice-chancellor, Dibrugarh University discussed about *"Challenges in Learning Environment"*. He explained that there are changes in higher education with the changes in time. Mentioning that from the inception, the higher education institutions have been in process of gradual changes from pen & paper to digital system. He suggested that we should find out

Prof. A. K. Buragohain

innovative way of teaching as well as evaluation system so that students' performance can be uplifted to ICT enabled learning. According to him massive explosion of knowledge is the biggest challenge in today's classroom.

Second session was taken by **Prof. Chandana Goswami**, Dean, School of Management Sciences, Tezpur University. Prof. Goswami discussed about *"Communication Skills"* particularly what does it mean, how does it starts, mode of communication and how to make communication effectively. Exercises on written communication was also performed with the participants.

Prof. Chandana Goswami

Prof. Mridul Hazarika

In the 3rd session **Prof. Mridul Hazarika**, Vice-chancellor, Gauhati University delivered on "*Academic Leadership in Higher Education*". Prof. Hazarika discussed about what is leadership and how it is important in academic prospects. Also mentioned about how to lead as a teacher.

Last session was again taken by **Prof. Chandana Goswami,** Dean, School of Management Sciences, TU which is activity on communication particularly oral communication and a small exercise on identifying oneself by a psychological test.

Prof. Dilip K. Saikia

Day V: (June 12, 2018)

In the 1st session, **Prof. Dilip K. Saikia**, Department of Computer Science & Engineering, Tezpur University delivered a speech on *"University Structure and Authority".* In his speech Prof. Saikia mentioned about University's mission, entities, different categories, new classes of universities and typical structure of universities like academic unit, governance, administration, support services etc. He also explained each component of structure of university and detail of Tezpur University Act.

In the 2nd session **Dr. Biren Das**, Registrar, Tezpur University delivered a speech on *"Administrative Leadership"*. He mentioned that there is excellence in our objective and how to promote excellence in higher education institutes. Also mentioned about measuring sticks – ranking of universities, NAAC, Grading, NBA, Accreditation. Dr. Das also discussed about problems or factors which create hurdles in excellence like resource crunch, limited excess, problem of equity, lack of quality and autonomy-academic.

Dr. Biren Das

Prof. S. K. Sinha

In the 3rd session **Prof. S. K. Sinha**, Department of CSE, TU delivered his speech on "*SWAYAM & MOOCs*". He mentioned about teaching and learning coordinate, importance of internet in today's industrial age and its impact on education. The speaker also discussed about national coordinators for MOOCs, difference between e-content and MOOCs and highlighted online learning courses through SWAYAM.

Last session was an activity session headed by **Prof. Madan M. Sarma** and **Prof. Mrinmoy K. Sarma.** Previously identified challenges of teachers in classroom were discussed and various suggestions were given by Prof. Sarma.

Activity cum Discussion

Day VI: (June 13, 2018)

Prof. Robin K. Dutta, Department of Chemical Sciences, TU delivered pre-lunch sessions on "*Aligning Research with Society*". The speaker explained about requirements for aligning research with society viz well defined purpose, long term plan, leaving no possibility of failure, holistic multidisciplinary approach, 24*7 devotion, readiness to invest own money, forgo short term gains and perseverance. Prof. Dutta discussed some of his research work on Assamese Heritage and Arsiron Nilogon.

Prof. Robin K. Dutta

In the post lunch session **Prof. S. S. Sarkar**, Head, Department of Commerce, Tezpur University delivered his speech on *"Effective Leadership"*. He discussed about 7 traits of leadership and followers level of maturity with appropriate leadership style. An activity of determining the types of leadership was also done with the participants. In the last session participants did activity of screen casting among themselves.

Prof. S. S. Sarkar

Day VII: (June 14, 2018)

Prof. Niranjan Karak, Department of Chemical Sciences, Tezpur University delivered his speech on *"From Nano to Macro: Development of Science & Technology for a Sustainable Society"* in the 1st session. Prof. Karak discussed about principles for a sustainable society and initiative for the same. Also highlighted about strategic approaches of science & technology, priorities for harnessing science & technology and pivotal role of science & technology in society along with paradox of recent time.

In the 2nd session **Prof. Archana Sharma**, Department of Economics, Gauhati University delivered a speech on "*Women and Environment*". In her speech she discussed about different social aspects regarding women and which could be leads to different prospects of research. She focused on gender sensitivity to economic concept and finally to environment development. Finally, Prof. Sharma mentioned about gender concept as socially, biologically and their expectations.

Prof. Niranjan Karak

Prof. Archana Sharma

In the 3rd session **Dr. Madhurima Goswami**, Head, Centre for Women Studies, TU discussed on "*Women Studies and Higher Education*". In the session Dr. Goswami mentioned about need for women studies and historical aspects of women studies. The speaker also mentioned about current scenario of women studies in the society along with certain examples of societal belief and responsibility on women.

Dr. Madhurima Goswami

Dr. Kishore Baruah

In the last session **Dr. Kishore Baruah**, Technical Officer, Department of Physics, TU delivered a speech on "*Taking Institution Beyond Boundary*". In the session Dr. Baruah interacted about literacy and educate concept, some of the problems that are creating unknowingly by ourselves which relates to increasing health hazard in our society. Speaker also discussed about some of his initiatives that has been taken by himself to make a better society particularly the young children.

Day VIII:(June 15, 2018)

In the morning sessions, **Prof. M. P. Bezbaruah**, Department of Economics, Gauhati University delivered a speech on *"Research Methodology in Social Sciences"*. In his speech Prof. Bezbaruah mentioned about identification of a research issue, likely contribution of study, data processing and analysis. He also mentioned about some econometric method for intensive analysis and Indian Agriculture round the turn.

Prof. M. P. Bezbaruah

Group Presentation

Group Presentation

Post-lunch sessions were activity session where participants gave their group presentations on movie review.

Day IX:(June 18, 2018)

Prof. K. P. Sarma

First session was taken by **Prof. K. P. Sarma**, Department of Environmental Science, TU on "*Research and Teaching*". According to Prof. Sarma education is a tool for development and innovation. He explained role of teacher in education as epitome of pedagogy and potential resource for teaching and learning. The speaker also stressed upon disseminating research findings through teaching.

In the 2nd session **Prof. Bhabesh Ch. Goswami**, Vice-chancellor, Cotton University delivered a speech on "*Education Reforms of 21st Century*". The speaker mentioned about changing scenario of education in Indian context including assessment system, innovative practices, best practices of infrastructure & learning resources, student support and open educational resources. According to him, it is a Blended Form – probably most suitable in Indian context.

Prof. Bhabesh Ch. Goswami

Post lunch sessions were taken by **Prof. Swarnalata Das,** Professor Emeritus, Gauhati University. in these two sessions Prof. Das discussed about "*Syllabus and Curriculum Development*" followed by a group activity on development of curriculum. She mentioned about scientific process of curriculum development

With Prof. Swarnalata Das

and interrelated topic to curriculum development with reference to instruction, designand reform. Prof. Das also pointed out about different levels and types of curriculum and approaches to curriculum development. Groups were formed according to discipline of the participants as Science, Social Science, Engineering and Humanities and Social Sciences. Each group shared their views on some practical issues of curriculum development.

Day X: (June 19, 2018)

In the 1st session **Prof. Swarnalata Das** delivered a brief talk on "*Teacher Empowerment*" where she mentioned about multiple role of teacher. According to her for empowering teacher we have to change our mindset, focus on relationship with student and society and organizational structure as a whole. Different factors on empowerment are decision making, professional growth & development, status, self-efficacy, autonomy and impact.

In the 2nd session **Prof. Mrinmoy K. Sarma**, Director, TLC, TU delivered a speech on "*Role of Tourism in a Transcending Society*". He started with role of tourism in a society and social impact of tourism. He also discussed about the impact of tourism in World economy with some facts and figures. The session ended with some interaction with participants.

Prof. Mrinmoy K. Sarma

The 3rd session was an activity session where 2 documentaries had been shown to the participants. One is "*Socrates on Self Confidence*" and another one is "*Montaigne on Self Esteem*" by Alain de Bottom.

In the 4th session **Dr. Satish Bhattacharya**, Former Vice-principal, Darrang College, Tezpur delivered his speech on *"Society, Local Culture and Heritage"*. He discussed about Assamese culture, heritage and history with special reference to Tezpur. He added that history as a source of pride of Assam and suggested some books related to history and heritage of Assam.

Dr. Satish Bhattacharya

Day XI: (June 20, 2018)

Prof. N. C. Shivaprakash

In the 1st session **Prof. N. C. Shivaprakash**, Chief Research Scientist, Department of Instrumentation, IISc, Bangalore delivered a speech on "*Academic Excellence through Outcome Based Education*". He mentioned what is outcome based education and how it will be fruitful. According to him todays teaching is learning for both students as well as teachers. Teachers have to find out potentiality of students and to make them learned accordingly.

Prof. B. K. Konwar, Department of MBBT, TU had taken 2nd and 3rd session of the day on "*Skilling Youth for Employment and Entrepreneurship*" and "*Indigenous Knowledge Validation and Empowerment*" respectively. He described importance of youth employment and building youth capacity together with holistic education beyond classroom. The speaker highlighted different youth entrepreneurship programmes with framework for effective programmes. In his second session, he explained about indigenous knowledge, validation and need for protection of indigenous knowledge.

Prof. B. K. Konwar

Prof. Chandan K. Sarma

In the last session **Prof. Chandan K. Sarma**, Head, Department of Sociology, TU interacted with the participants on "*Promoting Social Entrepreneurship*". In his speech Prof. Sarma mentioned about concept and importance of resources, welfare, individual and their role in entrepreneurship. Highlighted the importance and difference of NGO& social entrepreneur along with different examples which has changed the society. He also added some critics point of view.

Day XII: (June 21, 2018)

Prof. D. K. Bhattacharyya

Prof. D. K. Bhattacharyya, Department of CSE, TU delivered the 1st session on "*Publication & Plagiarism*". With a brief introduction he also mentioned about different types of plagiarism and detection approaches along with detection tools. He also explained about issues and challenges of plagiarism in current scenario.

In the 2nd session **Prof. Ramesh C. Deka**, Department of Chemical sciences, TU delivered his speech on "*Interdisciplinary Integration*". Prof. Deka mentioned about value of interdisciplinary research along with different barriers in integrated research and teaching.
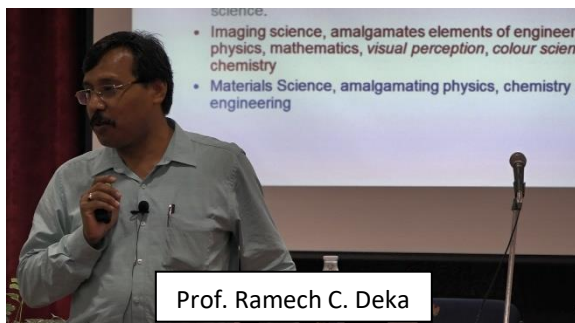
Prof. Ramech C. Deka

Dr. Archana Bhattacharjee

Post-lunch sessions had been taken by **Dr. Archana Bhattacharjee**, Head, Department of English, Kakojan College, Jorhat on "*Teaching and Motivation*" followed by an activity of motivating teachers on B. K. Passi dialog model. She mentioned about teaching skills of 21st century and important factors of motivation. She also appreciated student centric teaching, integrating technology and motivating students.

Day XIII: (June 22, 2018)

1st session was taken by **Mr. Kumarjit Dutta**, Deputy Registrar (Finance), Tezpur University on *"Financial Rules and Regulations"*. The speaker mentioned about importance of financial administration and budget in academic institutions. Discussed about different components of budget & expenditure in academic institution along with rules of GFR.

Mr. Kumarjit Dutta

Prof. Nityananda Sarma

The 2nd session was taken by **Prof. Nityananda Sarma**, Department of CSE, TU on "*Role of ICT in Teaching and Learning*". Prof. Sarma started with introduction to ICT, trends in teaching & learning and educational technology. He highlighted some of the commonly used ICT tools in classroom viz social media, google classroom, video conferencing tools etc. He also mentioned about advantages of using digital tools in classroom and e-contents made available by MHRD through NMEICT project. He demonstrated Google classroom in detail to the participants.

In the 3rd session **Prof. R. R. Hoque**, Department of Environmental Science, TU delivered a lecture on "*Environmental Law & Issues*". He focused on importance of environment from history time, development of Environmental Impact Assessment (EIA) in India and different article related to environment.

Prof. R. R. Hoque

Prof. Utpal Sharma

The last session of the day was taken by **Prof. Utpal Sharma**, Department of CSE, TU. The speaker delivered on "C*areer Advancement*". It is a path for fulfilling our aspirations. It can be a lifelong pursuit. He also discussed about institutional provisions for career advancement (CA), CA of teachers in higher education institutions in UGC framework.

Day XIV: (June 25, 2018)

Pre-lunch sessions were taken by **Prof. Nilima Bhagabati**, Professor(Rtd), Department of education, Gauhati University on "*Developing teaching skills to Becoming BetterTeacher*". The speaker explained what teaching skill is and its importance along with different types of teaching skills namely presentation skills & different strategies to adopt it, communication skill, problem solving skill, questioning skill, summing up skill, classroom management skill and interpersonal skill.

Prof. Nilima Bhagabati

Participants with Prof. Nilima Bhagabati

In the 3rd session renowned innovator **Dr. Uddhab Bharali**, Lakhimpur, Assam delivered a speech on "*Innovation and our Education System*". In this session Dr. Bharali told about importance of innovative mind in recent education system so that students can learn to think different innovative ideas along with their text book knowledge. According to him innovation should not be discipline specific instead it should be creativeness of mind. Some of his innovation and his work for differently abled person were shown in the session.

Dr. Uddhab Bharali

Prof. A. K. Mukherjee

Fourth session was taken by **Prof. A. K. Mukherjee**, Dean, Research & Development, Tezpur University delivered his speech on "*Research Proposal*". Main idea of his topic was how we can write a good proposal

to triumph over the challenges and make significant progress in our research? And what we do need to understand is that most of the research grant is supported by Govt. funding agencies by using public money. The speaker discussed about the relation of researcher, institute and funding agency. He gave a brief idea about different funding agency in India. Some of the important points while writing research proposal like justified region, rechecking the proposal with specialized person, collaboration etc. are mentioned by the speaker. While writing project proposal one of the important thing is formulation of project proposal. He also discussed about different steps, mistakes commonly noticed and selection of funding agency in writing project proposal.

Day XV: (June 26, 2018)

Pre-lunch sessions were taken by **Prof. Nilima Bhagabati,** on "*Management Approach of Adolescent Learners*" followed by a group activity. During the session Prof. Bhagabati discussed about adolescent learners and their characteristics along with different approaches to deal with that learners.

In the 3rd session **Dr. Biren Das,** Registrar, TU discussed about "*TLC under PMMMNMTT*" and *"Official Communication"*. He gave a brief description about Teaching Learning Centre and its role in building learning environment. He also gave idea to make official communication in a proper way as it is very important for learners as well as teachers.

Last session was an activity session on e-resource (Annexure I and Annexure II).

Day XVI: (June 27, 2018)

Dr. Mukesh Saikia

In the first session **Dr. Mukesh Saikia**, Librarian, Tezpur University delivered his speech on "*E-resources*". He discussed about different ways of using e-resources and its different types along with academic communication, transmission of academic information, internet communication, casual communication and consortium for educational communication. Multimedia research centres, e-learning, e-content, digital media library, EDUSAT network, information & library network centre, infonet digital library consortium, NLIST and role of modern library in academic communication has also been discussed.

Prof. Mukul K. Sarma

Next two sessions were taken by Prof. **Mukul K. Sarma** (Rtd), Department of Education, Dibrugarh University. In these two sessions Prof. Sarma discussed about *"Gestalt Psychology in Teaching and Learning"* and *"Teaching in 21st Century – Learners & Teachers"*. The speaker discussed about working principles of Gestalt psychology along with structure and domain of learning. Teaching in organized manner will remain forever with the students. An organized whole is more than the sum of its parts. He mentioned about different strategies of learning methods for learners as well as for teachers

also. He also noted that education for 21st century should be learning to learn, learning to do, learning to be and learning to live together.

Last session was group discussion on Indigenous Knowledge System and activity on E-module Development.

Day XVII: (June 28, 2018)

Dr. Nil Ratan Roy

Pre-lunch sessions were taken by **Dr. Nil Ratan Roy**, Head, Department of Education, Tezpur University discussed about *"Curriculum Evaluation"* and *"Level of Learning"*. During the sessions Dr. Roy discussed about need for evaluation, Micro and Macro level of Curriculum Evaluation, Conceptual framework of curriculum cycle, Sources of curriculum evaluation and Aspects of Evaluation. He also mentioned about taxonomy of educational objectives, defective teaching learning process, how learning happens, different changes in teacher and student role and micro teaching cycle.

Post-lunch sessions were taken by **Prof. Mukul K. Sarma** (Rtd), Department of Education, Dibrugarh University on *"How to Become a Good Teacher"* followed by an activity of question paper setting. The speaker discussed some of great personality who had made the society to think differently– scientifically and logically.

Participants with Prof. Mukul K Sarma

Day XVIII: (June 29, 2018)

Pre-lunch sessions were taken by **Prof. Neeta K. Baruah**, Department of education, Dibrugarh University on *"Student Psychology and the changing Roll of Teacher"* and *"Constructivism and Teaching Pedagogy"*. The speaker mentioned about importance of learning student psychology and their cognition of learning. She also pointed out that

With Prof. Neeta K. Baruah

it is a theory based on observation and scientific study that how people learn which says that people construct their own understanding and knowledge of the world, through experiencing things and reflecting on experiences. She also explained about learning pyramid.

In the 3rd session **Prof. Debarshi Prasad Nath**, Department of Cultural Studies, Tezpur University delivered

a speech on *"Culture, Cognition & Pedagogy"* where he emphasized upon different cognitive understanding of human behavior and how it is reflected in one's culture. In pedagogical concern of all cultures, different theories have been evolved throughout the ages like linguistic relativism, universalism cultural relativism theory etc. but recent findings challenge the idea of universality and criticized cultural relativism for lacking scientific determination and being logically inconsistent. Education curriculum and text should have the opportunity to reach every student's

Prof. Debarshi Prasad Nath

individual potential and this should ideally include different ways of knowing, experiencing & understanding life where students can find and value their own voices, histories and culture.

Prof. Charu Lata Mahanta

In the 4th session **Prof. Charu Lata Mahanta**, Dean, School of Engineering, TU discussed about "*National Education Policy and Present Scenario of Higher Education in India*". Prof. Mahanta discussed about different education policies in India with special reference to higher education sector. She also highlighted on Higher Education in today's changing context and challenges facing in higher education sector.

Day XIX: (July 02, 2018)

In the 1st session **Dr. Shobhana H**, Head, Psychiatric Social Work, LGBRIMH, Tezpur interacted on "*Stress Management*". She mentioned about professional life stress scale and conducted an activity on sharing different stresses faced by participants into group based on their duration of teaching experiences.

Participants with Dr. Shobhana H

Dr. Pranjal Buragohain

In the 2ⁿᵈ & 3ʳᵈ session **Dr. Pranjal Buragohain**, Assistant Professor, Department of education, Dibrugarh University and Social Activist, has taken an interactive session on "*Guidance and Counselling*" and *"Self-awareness and Emotional Intelligence"*. In the session the speaker mentioned about need for counseling of students which leads to a better society. He demonstrated some of the basic examples for counseling. The speaker added importance of emotional intelligence with respect to positive emotions. These positive emotions are very helpful to encourage students and teaching learning procedure.

Participants with Dr. Pranjal Buragohain

Last session was taken by **Prof. Papori Baruah**, Head, Department of Business Administration, Tezpur University on *"Time Management and Work-life Balance"*. The session has been taken through small activities which show different scoring level of participants regarding their management and balance of work-life.
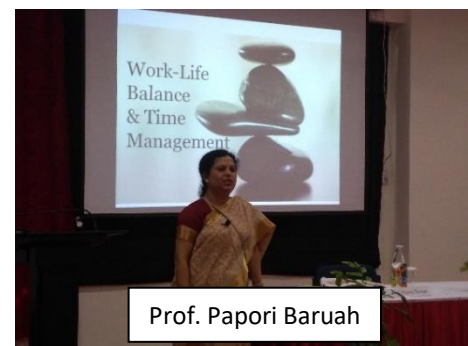
Prof. Papori Baruah

Day XX: (July 03, 2018)

First session was Examination for the participants based on objective questions given by respective Resource Persons.

Evaluation Test

Prof. Mukut Hazarika

Second and third sessions were taken by **Prof. Mukut Hazarika**, Dean, School of Education, Dibrugarh University on "*Evaluation & Grading*", "*Question Paper Setting*" and "*Evaluation of Answer Script*". He discussed about qualities of a good question with examples and a balanced question paper. He also discussed about evaluating of an answer script with respect to different scales of measurements.

Prof. Nashreen S. Islam

Last session was taken by **Prof. Nashreen S. Islam**, Chemical Sciences, Tezpur University on "*Research Funding in India: An Overview of the Existing Opportunities*". The speaker explained about different areas which covers under UGC for research and research projects (both minor & major). She also mentioned about funding guidelines of ICSSR, ICHR, MATRICS, Startup Research Grant (young scientists) and DBT.

Day XXI: (July 04, 2018)

First session was "*Yoga for all*" where **Mr. Partha Pratim Das**, Yoga Instructor, TU demonstrated different yoga along with benefits of yoga for a healthy life. In the 2nd session **Mr. Pankaj Bora**, Fitness Expert, Tezpur discussed on "*Physical Fitness*". He discussed about history and importance of physical fitness, various pioneer in different physical activity and added that physical exercise keeps us active.

Mr. Partha Pratim Das

Yoga session

Mr. Pankaj Bora

In the post-lunch sessions participants were taken to visit the Museum of Cultural Studies department, Observatory of Physics department, SAIC and Library of the Tezpur University.

Visit to Observatory, SAIC and Central Library

Day XXII: (July 05, 2018)

In the last day of the training program 1st session was "*Google Classroom and Google Form*" where participants learnt among themselves followed by feedback session where participants were given to fill up a general feedback form. They gave their opinion on overall Induction Training which was followed by a short Valedictory. The session was chaired by Prof. V. K. Jain, Vice-chancellor, TU along with Pro Vice-chancellor Prof. Dilip K. Saikia and Director, TLC, Prof. M. K. Sarma. Distinguished guests gave their brief speech and the program came to an end with distribution of certificates and vote of thanks.

A moment during release of the special newsletter

Prof. V.K. Jain delivering the valedictory speech

Group photo during valedictory

3.4 WORKSHOP ON DEVELOPMENT OF STRUCTURE FOR OUTREACH PROGRAM ON INNOVATION AND REJUVENATION OF TEACHING IN HIGHER EDUCATION
AT TEACHING LEARNING CENTRE, TEZPUR UNIVERSITY

A one-day Workshop on Development of Structure for Outreach Training Programme on Innovation and Rejuvenation of Teaching in Higher Education was organized by Teaching Learning Centre, Tezpur University on August 01, 2018 in the HSS Complex of Tezpur University. The workshop aimed at developing a framework/curriculum for conducting teacher training outreach program in colleges of Assam and Arunachal Pradesh. There were ten invited participants who were experts in different fields of teaching learning and educational administration and associated with different colleges of Assam. The profiles of the participants are as given below: 1).Prof. Mukul K. Sarma Retired Professor, Dept. of Education, Dibrugarh University, 2). Prof. Swarnalata Das, Professor Emeritus, Dept. of Education, Gauhati University, 3). Prof. Nityananda Sarma, Dept. of Computer Science & Electronics, Tezpur University, 4). Dr. Bubul Kumar Saikia, Principal, LTK College, Lakhimpur, 5. Dr. Haren Bothra, Associate Professor (Former), Dept. of Botany, Darrang College, Tezpur, 6). Dr. Devabrot Khanikar, Principal, Sonapur College, 7). Dr. Devaprotim Hazarika , Assistant Professor, NN Saikia College, Titabor, Jorhat, 8). Prof. Jugal Kishore Barman, Associate Professor, Dept., of Accountancy, Gauhati Commerce College, 9). Dr. Nil Ratan Roy, Head, Dept of Education, Tezpur University and Ex-officio Member Secretary, TLC-TU Advisory Committee, and 10). Dr. Hiranya K. Chaliha, Principal, Koliabor College. Dr.Chaliha was deputed by the Department of Higher Education, Govt of Assam. The program consisted of a three and half an hour long continuous session.

The Director of TLC, Prof. M. K. Sarma started the workshop by introducing the invited experts. He also explained the purpose of the workshop and presented the draft curriculum for discussion and comments. The experts commented on different aspects of the curriculum and on the basis of that discussion a broad outline was developed. The broad outline was then offered for topic specific discussion and development. The experts were divided into different panels to pick up different topics from the broad outline. The suggestions of the panels were incorporated in to the curriculum. The curriculum was then finalized and presented for approval. The experts

approved the curriculum and unanimously recommended it for implementing it in providing short term course of teacher training in colleges and institutes of higher education. The workshop ended with vote of thanks offered by the director.
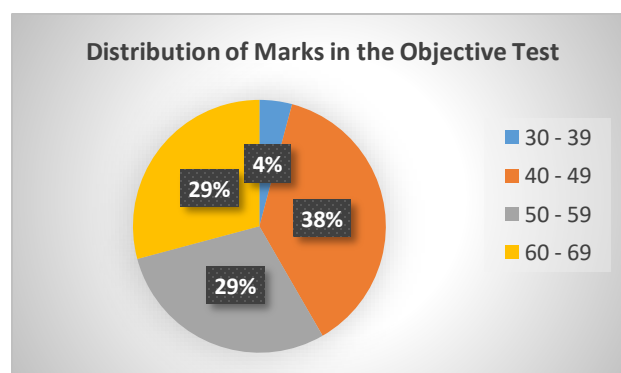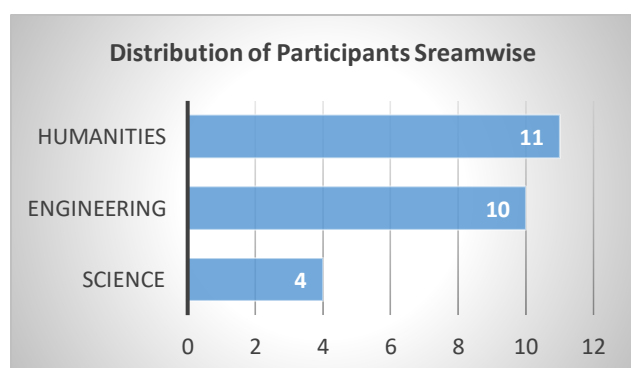
3.5 INDUCTION TRAINING OF FACULTY (NOV – DEC, 2018)

AT TEACHING LEARNING CENTRE, TEZPUR UNIVERSITY

A month long program "Induction Training of Faculty" was organized by Teaching Learning Centre (TLC), Tezpur University during November 26 to December 26, 2018. This was the third Induction Training Program conducted by TLC, TU. Altogether 25 faculty members of various disciplines from different academic institutions participated in the program. Among them **11** participants were from *Humanities*, **4** from *Science* and **10** from *Engineering* background. There were **14 male** participants and **11 female** participants in the program. The content of the program was prepared according to the guidelines of MHRD that cover different topics related to Higher Education. **48 Resource Persons** consisting of **Academic Administrators** *(Vice Chancellors and Registrar),* **Academicians** from different disciplines *(Science, Management, Engineering, Humanities and Social sciences*), **Social Activists** and **Fitness Experts** shared rich experiences and insights about being good, effective, motivating teachers who are custodians of values and culture of a society as well as change agents, role model, society and nation building, administrative aspects including procedures and rules. The program also tried to cover some activity like screen casting, e-resources, google classroom, google form, practice teaching, group discussion, presentation and field visit. Feedback for each resource person was taken separately in online mode. In the last week of the program an examination was conducted based on objective type (MCQ) questions provided by respective resource persons. There were **4** academic sessions of 90 minutes duration in each day.

Day I: (November 26, 2018)
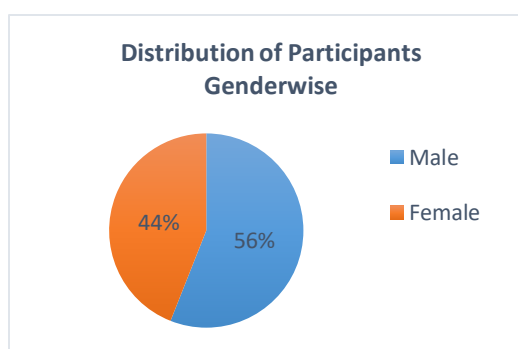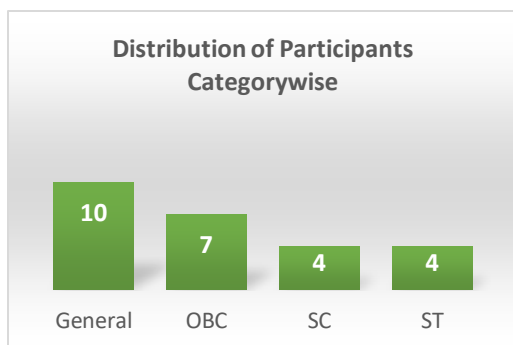
Distribution of Participants Categorywise

Distribution of Participants Genderwise

Distribution of Participants Sreamwise

Distribution of Marks in the Objective Test

The program started with welcome address by **Prof. Mrinmoy K. Sarma**, Director, TLC, Tezpur University followed by introduction of participants in the Inauguration & Orientation session. The Director gave an overview of the month long program.

Prof. Mrinmoy K. Sarma

Prof. Madan M. Sarma

Prof. Madan M. Sarma, Department of EFL, Tezpur University deliberated on *"Role of Teacher in Society"* in the second session. The speaker discussed about role of teacher on the basis of three main themes and these are i) Traditional role of a teacher, ii) Teacher's role today and iii) Teacher's role in developed nations. According to him teacher should create condition that learning could take place along with personal goal with social responsibility or social justice. He also discussed some scenarios where teacher's social role comes out.

In the third session, **Prof. A. K. Buragohain**, Department of MBBT, Tezpur University delivered a lecture

Prof. A.K. Buragohain

on *"Evolution of Higher Education in India".* He discussed about the evolution of Higher Education from Indus Valley; about different dynasties of the same period. According to him in this evolution the spirit of different institutions also played a very important role. The speaker also focused on some of the application based courses which are very much needed in present time in Higher Education Institutions w.r.t. need of various geographical characteristics and socio-economic importance.

Last session was activity session where participants were introduced to E-resource support and video resource and conducted by members of TLC, TU.

Day II: (November 27, 2018)

In the first session **Prof. A. K. Buragohain** talked about *"Future of Indian Universities"* from British period to post-independence period along with basic study of focus in that period. He also added that different factors impact on future of these Academic Institutions. He also gave different ideas in terms of figures of current situation of Industry-Academia with comparative statistics.

Second session was taken by **Prof. Abhijit Bora**, Department of MCJ, Tezpur University on *"Teaching Profession and Public Relations"*. The session began with the idea of public relation, its importance, publicity and goodwill. The speaker also discussed about public relation of educational institutions and society at two different levels that is individual level and social level.

Prof. Abhijit Bora

Prof. D.C. Baruah

In the third session *"Internal Quality Assurance"* was delivered by **Prof. D. C. Baruah**, Director, IQAC, Tezpur University. The speaker discussed about linkage of external and internal quality that leads to assessment of an institution. He also mentioned about the composition of IQAC and primary aim of IQAC with different strategies.

Prof. Robin K. Dutta

Prof. Robin K. Dutta, Department of Chemical Sciences, TU delivered the last session on "*Research and Society*". The speaker explained about requirements for aligning research with society viz well defined purpose, long term plan, leaving no possibility of failure, holistic multidisciplinary approach, 24*7 devotion, readiness to invest own money, forgo short term gains and perseverance. According to him purpose of research is generation of knowledge for understanding the nature and improving it. Prof. Dutta discussed some of his research works on Consevation of Assamese Heritage and Arsiron Nilogon of water.

Day III: (November 28, 2018)

In the 1st session **Prof. B. K. Danta**, Department of EFL, TU delivered his speech on *"CV or DNA? Creativity and Discontent"*. The speaker mentioned about what is creativity, who is creative with different examples and 4 coordinates of the same. He also added how one could be creative as a teacher and basic abilities

Prof. B. K. Danta

Prof. D. K. Saikia

of the educated one which may improve creativity and its usefulness. The session was an interactive session as the participants interchanged their views and discussed with the resource person.

In the 2nd session, **Prof. Dilip K. Saikia**, Department of Computer Science & Engineering, Tezpur University delivered a speech on *"University Act and Authority".* In his speech Prof. Saikia mentioned about University's mission, entities, different categories, new classes of universities and typical structure of universities like academic unit, governance, administration, support services etc. He also explained each component of structure of university and detail of University Act along with governing rules and regulations.

Post-lunch session was Group Discussion on *"Challenges in Teaching and Learning"* headed by **Prof. Madan M. Sarma***.* Participants Identified challenges of teachers inside and outside classroom and were discussed and various suggestions were given by Prof. Sarma.

Prof. Madan M. Sarma

Day IV: (November 29, 2018)

In the 1st session **Dr. Biren Das**, Registrar, Tezpur University delivered a speech on *"Administrative Leadership"*. He mentioned that there is excellence in our objective and how to promote excellence in higher education institutes. Also he mentioned about measuring sticks – ranking of universities, NAAC, Grading, NBA, Accreditation. Dr. Das also discussed about problems or factors which create hurdles in excellence like resource crunch, limited excess, problem of equity, lack of quality and problems related to academic- autonomy.

Dr. Biren Das

Prof. Dhanapati Deka

Second session was delivered by **Prof. Dhanapati Deka**, Dean, Student Welfare, Tezpur University on *"Addressing problems of students"*. In the session Prof. Deka mentioned about students' problems, students discipline process, welfare process and science of behaviour. He also discussed about different strategies to address the problems of students.

Post-lunch sessions were taken by **Prof. Chandana Goswami**, Dean, School of Management Sciences, Tezpur University. Prof. Goswami discussed about *"Communication Skills"* particularly what does it mean, how does it starts, mode of communication and how to make communication effectively. Exercises on written communication was also performed with the participants along with activity on oral communication and a small exercise on identifying oneself by a psychological test.

Prof. Chandana Goswami

Day V: (November 30, 2018)

In the 1st session **Prof. Ramesh C. Deka**, Dean, School of Sciences, TU delivered speech on "*Interdisciplinary Integration*". Prof. Deka mentioned about value of interdisciplinary research along with different barriers in integrating research with teaching.

Prof. R. C. Deka
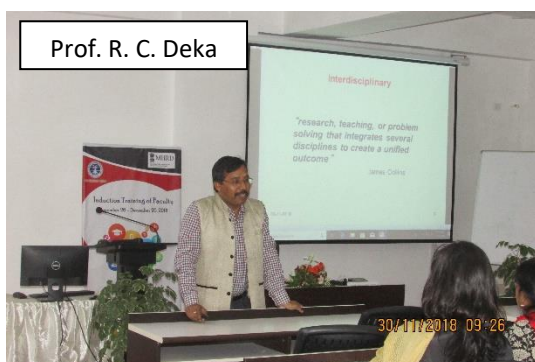
Prof. B. K. Konwar

In the next session **Prof. B. K. Konwar**, Department of MBBT, Tezpur University delivered his speech on *"Academic Leadership in Higher Education"*. The speaker mentioned about status of higher education in India. Some of the glimpses of world's ancient institutes of higher education were also given by the speaker. He pointed out limitation of higher education, barriers to academic leadership, characteristics of good leader and leadership framework. Prof. Konwar also gave self-evaluation task to the participants on characteristics of Good Leader.

In the 3rd session **Prof. Madhumita Barbora**, Department of EFL, Tezpur University conducted a session on *"Mother Tongue vs Second Language in Teaching Learning"*. Prof.

Prof. Madhumita Barbora

Barbora discussed about multilingualism, multilingual education and lesser known mother tongues. The speaker also mentioned about endangered languages and different causes leading to language death.

Last session was activity session on *"Presentation Software"* jointly taken by **Dr. Anjuman Borah**, and **Mr. Prayash Baruah**, Assistant Professor, MCJ and Business Administration Department, Tezpur University respectively. The session was hands-on session where participants were taught how to make presentation/short videos using different software which will help them to create their own e-content. They also taught other platform of applying ICT in teaching learning i.e. google classroom.

Dr. Anjuman Borah

Mr. Prayash Baruah

Day VI: (December 3, 2018)

First session was taken by **Prof. D. K. Bhattacharyya**, Department of CSE, TU on *"Publication and Plagiarism"*. With a brief introduction of plagiarism, the speaker also mentioned about different types of plagiarism and detection approaches, detection tools and conceptual framework for plagiarism detection.

Prof. D. K. Bhattacharyya

Dr. Satish Bhattacharya

He also explained about issues and challenges of plagiarism in current scenario of education specifically research.

In the 2nd session **Dr. Satish Bhattacharya**, Former Vice-principal, Darrang College, Tezpur delivered his speech on *"Society, Local Culture and Heritage"*. He discussed about Assamese culture, heritage and history with special reference to Tezpur. He added that history has always been a source of pride of Assam and he also suggested some books related to history and heritage of Assam.

Third session was activity on progress of Screen casting and E-resources conducted by members of TLC, TU. Some of the participants submitted e-resources and a few of them presented their screen casting presentation.

Fourth session was taken by **Prof. A. K. Mukherjee**, Dean, Research & Development, Tezpur University delivered his speech on "*Research Proposal and Research Administration*". Main idea of his topic was how we can write a good proposal to triumph over the challenges and make significant progress in our research? And what we do need to understand is that most of the research grant is supported by Govt. funding agencies by using public money. The speaker discussed about the relationship among researcher, institute and funding agency. He gave a brief idea about different funding agencies in India. Some of the important points while writing research proposal like justified region, rechecking the proposal with specialized person, collaboration etc. are explained by the speaker. While writing project proposal one of the important thing is formulation of project proposal. He also discussed about different steps, mistakes commonly noticed and selection of funding agency in writing project proposal.

Day VII: (December 4, 2018)

Forenoon sessions were taken by **Dr. Nil Ratan Roy**, Head, department of Education, Tezpur University on *"Educational Objectives: Level of Learning"* and *"Curriculum and Evaluation"*. During the sessions Dr. Roy discussed about need for evaluation, Micro and Macro level of Curriculum Evaluation, Conceptual framework of curriculum cycle, Sources of curriculum evaluation and Aspects of Evaluation. He also mentioned about taxonomy of educational objectives, defective teaching learning process, how learning happens, different changes in teacher and student role and micro teaching cycle.

Dr. Nil Ratan Roy

Post lunch sessions were activity session where a movie "Freedom Writers Diary" was screened to the participants and were asked to review the movie in respective groups of the participants.

Day VIII: (December 6, 2018)

In the 1st session *"Being an Academic"* was delivered by *Dr. R. Meganathan*, Associate Professor, Department of Education in Languages, NCERT, New Delhi. In the session Dr. Meganathan discussed about various aspects of academic with a brief assignment of learning and teaching autobiography of the participants.

Dr. R. Meganathan

Second session was taken by **Prof. Saket Kushwaha**, Vice-chancellor, Rajib Gandhi University, Arunachal Pradesh on *"Role of Universities in Inclusive Development"*. He mentioned that inclusive development as a recent development paradigm, pro-poor in approach and equal value to all stakeholders of society. Along with Prof. Kushwaha conceptualized inclusive development in terms of economy, society and environment with various examples along with different roles of Universities in this regard.

With Prof. Saket Kushwaha

In the 3rd session **Dr. R. Meganathan** conducted the session on *"Communication Skills in Language and Language across the Curriculum"* with different activities. He also discussed about how does language learning happen, why does language exist and content & language integrated learning.

Activity

In the last session participants presented their review of the movie showed earlier as a group presentation. There were 5 groups having 5 members each. Each group presented their review and other

groups commented and suggested their views also. The session was headed by members of TLC, TU.

Day IX: (December 7, 2018)

Prof. K. Kikhi, Chair Professor, Dr. Ambedkar Chair, Tezpur University delivered a speech in the 1st session on *"Ethics of Research"*. He mentioned that ethics includes concern, dilemma and conflicts before, during and after research. The speaker also discussed about various ethical issues in social research and scientific community.

Prof. K. Kikhi

Prof. Papori Baruah

Second session was taken by **Prof. Papori Baruah**, Head, Department of Business Administration, Tezpur University on *"Time Management and Work-life Balance"*. The session has been taken through small activities which show different scoring level of participants regarding their management and balance of work-life.

Post-lunch sessions were on *"Teaching Learning Techniques using Role Play"* by **Dr. R. Meganathan**. In those sessions the speaker demonstrated various techniques of learning with different role played by the participants.

With Dr. R. Meganathan

Day X: (December 10, 2018)

In the 1st session **Prof. Debarshi Prasad Nath**, Department of Cultural Studies, Tezpur University delivered a speech on *"Integration of Culture, Cognition & Pedagogy"* where he emphasized upon different cognitive understanding of human behavior and how it is reflected in one's culture. In pedagogical concern of all cultures, different theories have been evolved throughout the ages like linguistic relativism, universalism cultural relativism theory etc. but recent findings challenge the idea of universality and criticized cultural relativism for lacking scientific determination and being logically inconsistent.

Prof. Debarshi P Nath

Education curriculum and text should have the opportunity to reach every student's individual potential and this should ideally include different ways of knowing, experiencing & understanding life where students can find and value their own voices, histories and culture.

Second session was taken by **Prof. S. S. Sarkar**, Head, Department of Commerce, Tezpur University delivered his speech on *"Key Strategies and Skills for Effective Leadership"*. He discussed about 7 traits of leadership and followers level of maturity with appropriate leadership style. An activity of determining the types of leadership was also performed with the participants.

Prof. S. S. Sarkar

Prof. Debabrata Das

Prof. Debabrata Das, Department of Business Administration (Director, CODL), Tezpur University delivered a speech on *"Getting Published"* in the post-lunch session. The speaker explained about different aspects of publishing articles like how to proceed, different ways to select good publication, ethics in academic writing particularly ethical guideline of UNESCO. He gave a framework of publication, paper writing model and ethics in academic writing.

In the last session **Prof. Chandan Goswami**, Department of Business Administration, Tezpur University on *"Effective Ways of Making a Class Interesting"*. The speaker discussed about active learning and how to make a class interactive one instead of traditional one sided lecture method. The session was an interactive session as

Prof. Chandan Goswami

participants were asked to give their opinion on those things that they do not like during their school/college time as a student.

Day XI: (December 11, 2018)

First two sessions were taken by **Dr. Sunil K. Saikia**, Former Faculty, Indian Institute of Entrepreneurship, Guwahati on *"Professional Development of Teachers in Higher Education Institute"* and "Entrepreneurship and Skill Development". The speaker mentioned about different policies like liberalization policy, globalization policy etc. for technological advancement. This technological advancement also changed the nature and attitude of students in Higher Education. He also mentioned about Educational and Professional Institutions in North-Eastern Region along with the qualities of

Dr. Sunil K. Saikia

professional trainer. Dr. Saikia pointed out various aspects of developing entrepreneurship in India and specifically in NE India.

Post-lunch session was taken by **Dr. Tridib Ranjan Sarma**, Associate Professor, Department of Business Administration, Tezpur University delivered his speech on *"Evaluation & Grading"*. The speaker explained in detail how to evaluate and grade in the final semester examination. He also mentioned about a sequence of evaluation.

Dr. Tridib R. Sarma

Mr. Pankaj Bora

Fourth session was taken by **Mr. Pankaj Bora**, Fitness Expert, Tezpur and discussed on *"Physical Fitness"*. He mentioned about history and importance of physical fitness, various pioneer in different physical activity and added that physical exercise keeps us active. The expert mentioned about some basic and common exercise which can be easily carried out daily.

Day XII: (December 12, 2018)

In the 1st session **Prof. Nilima Bhagawati**, Professor & HoD, Department of Education (Rtd), Gauhati University delivered her speech on *"Capacity Building: Teachers of Higher Education"*. During the session

Prof. Bhagawati discussed about effective teacher, dimensions of teacher effectiveness, different parameters of effective teachers and strategies for effective teaching.

Prof. Nilima Bhagabati

Prof. Chandan K. Sarma, Head, Department of Sociology, Tezpur University discussed about *"Challenges ahead Social Sciences"* in the 2nd session. The speaker mentioned about emerges of knowledge system, difference between theology and philosophy, dialogic process, generate hegemony with different examples. According to him social sciences has specific setting unlike sciences. It is not fix and analyzing pattern in different disciplines comes from various region around the world but specifically from western. Prof. Sarma also pointed out some of emergence challenges in Social Sciences.

Prof. Chandan K. Sarma

Post-lunch session was taken by **Prof. Nilima Bhagabati** on "T*eaching Skills*". The speaker explained what teaching skill is and its importance along with different types of teaching skills namely presentation skills & different strategies to adopt it, communication skill, problem solving skill, questioning skill, summing up skill, classroom management skill and interpersonal skill.

In the last session participants have given their progress of e-resources and was monitored by members of TLC, TU.

Day XIII: (December 13, 2018)

Pre-lunch sessions were taken by **Prof. Nilima Bhagabati,** on *"Leadership & Capacity Building of Teachers in Higher Education"* and *"Micro Teaching"*. During these sessions Prof. Bhagabati conducted a group discussion on "Present Scenario of Institutional Head" and "Blueprint of Important Capacity Building Areas of Higher Education Teachers". The speaker explained what is micro teaching, specific objective of micro teaching and skill of Stimulus variation. After that, practice teaching conducted with the participants and participants were involved explaining their own disciplines.

In the 3rd session **Prof. Utpal Sharma**, Department of Computer Science and Engineering, Tezpur University delivered his speech on *"National Academic Governance: UGC, NAAC"*. Prof. Sharma discussed about education framework, education objectives, education standard and education evaluation. During the session sustainability of funding and governance, function, roles and mandate of UGC, inter university centres were also discussed.

Prof. Utpal Sarma

Prof. S. K. Sinha

In the 3rd session **Prof. S. K. Sinha**, Department of CSE, TU delivered his speech on "*SWAYAM & MOOCs*". He mentioned about teaching and learning coordinate, importance of internet in today's industrial age and its impact on education. The speaker also discussed about national coordinators for MOOCs, difference between e-content and MOOCs and highlighted online learning courses through SWAYAM.

Day XIV: (December 14, 2018)

In the first two sessions participants presented their screen casting videos and comments & suggestions were given by members of TLC, TU for final submission.

In the 3rd session **Prof. D. K. Bhattacharyya**, Dean Academic Affairs, Tezpur University delivered his talk on *"Cyber Security"*. The speaker emphasized on importance of cyber security during digital learning days. As we are more dependent on online portals, ICT tools; knowledge of cyber security is also very important while using different tools for learning. "Cyber Security" Prof. D.K. Bhattacharyya.

Last session was taken by **Mr. Kumarjit Dutta**, Deputy Registrar (Finance), Tezpur University on *"Financial Rules and Regulations"*. The speaker mentioned about importance of financial administration and budget in academic institutions. Discussed about different components of budget & expenditure in academic institution along with rules of GFR.

Mr. Kumarjit Dutta

Day XV: (December 17, 2018)

In the morning sessions, **Prof. M. P. Bezbaruah**, Department of Economics, Gauhati University delivered a speech on *"Research Methodology"*. In his speech Prof. Bezbaruah mentioned about identification of a research issue, likely contribution of study, data processing and analysis. He also mentioned about some econometric

Prof. M. P. Bezbaruah

method for intensive analysis and Indian Agriculture round the turn.

Post-lunch sessions were activity session where participants finally submitted their e-resources.

Day XVI: (December 18, 2018)

First session was "*Yoga for all*" where **Mr. Partha Pratim Das**, Yoga Instructor, TU demonstrated different yoga along with benefits of yoga for a healthy life.

With Mr. Partha Pratim Das

Second session was Movie Screening entitled *"Stand and Deliver"*.

Post-lunch sessions were taken by **Prof. Pushpanadham**, M.S. University, Gujrat on *"Educational Management System"* and *"Educational Administration and Leadership"*. In these sessions the speaker mentioned about need for management system and related policies. According to him 3 P's required to create the work system in any organization and those are People, Performance and Progress. Believe leads to behavior in organization and to make it better, management system of organization can be changed from time to time. Motivation also plays a very important role in behaviour. The speaker also mentioned about human resource management and managerial system.

Prof. Pushpanadham
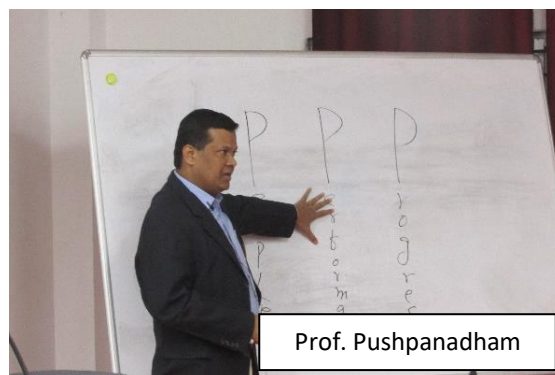
Day XVII: (December 19, 2018)

In the 1st session **Dr. Biren Das** discussed about *"Official Communication"*. He gave a detail outline of official communication and how to use it in a proper way as it is very important for learners as well as

teachers. Dr. Das also performed activities on communication.

Following two sessions were conducted by **Dr. Pranjal Buragohain**, Assistant Professor, Department of Education, Dibrugarh University and Social Activist on "*Guidance and Counselling*" and *"Self-awareness and Emotional Intelligence"*. In those sessions the speaker mentioned about need for counseling of students which leads to a better society. He demonstrated some of the basic examples for counseling. The speaker added importance of emotional intelligence with respect to positive emotions. These positive emotions are very helpful to encourage students and teaching learning procedure.

Dr. Pranjal Buragohain

Dr. Kishore K. Baruah

In the last session **Dr. Kishore Baruah**, Technical Officer, Department of Physics, TU delivered a speech on *"Participation in Extension Activities"*. In the session Dr. Baruah interacted about literacy and educate concept, some of the problems that are creating unknowingly by ourselves which relates to increasing health hazard in our society. Speaker also discussed about some of his initiatives that has been taken by himself to make a better society particularly the young children.

Day XVIII: (December 20, 2018)

First two sessions were taken by **Prof. Munin Kakati**, Vice-Chancellor, Assam Rajiv Gandhi University of Cooperative Management, Sivasagar on *"Human Capital and Growth of Indian Economy"*. In his talk Prof. Kakati discussed about national capital, building capital, financial capital, social capital, human capital & intellectual capital and their impact on Indian economy. He also highlighted impact of manpower and social value.

Prof. Munin Kakati

Dr. Anjan Bhuyan

In the post-lunch sessions **Dr. Anjan Bhuyan**, Associate Professor, department of Business Administration, Tezpur University delivered a speech on *"Spiritual Orientation"*. He discussed about how spiritual orientation can be helpful for managing stress, illusion of stress and how to overcome from stress as it impacts on our day to day performances. According to him to live a healthy life, we have to overcome from stress.

Day XIX: (December 21, 2018)

"Basic Concept & Common Approaches of Disaster Management" delivered by **Dr. Dipak Nath**, Assistant Professor, Centre for Disaster Management, Tezpur University in the 1st session. He mentioned about basic issues pertaining to disaster management along with different support system, risk management and hazard vulnerability.

Dr. Dipak Nath

Prof. B. K. Sarma

In the second session **Dr. B.K. Sarma**, Director, DBT-AAU Centre for Agricultural Biotechnology explained about *"Aligning Research with Society"*. Dr. Sarma highlighted vision of research for society along with his specialization research area of genetics.

In the post-lunch sessions **Dr. Shobhana H**. and **Dr. Indrajeet Banerjee**, both faculties in Department of Psychiatric Social Work, LGBRIMH, Tezpur interacted on "*Stress Management*". The sessions were discussion cum activity session. it includes professional life stress scale, 4 A's of stress management and conducted an activity on sharing different stresses faced by participants into group based on their duration of teaching experiences. Another activity of keeping mind stress free was also performed by Dr. Banerjee.

Dr. Shobhana H.

Dr. Indrajeet Banerjee

Day XX: (December 22, 2018)

Field visit: The participants were taken for outdoor visit. The aim of this visit is to let introduce them with local culture and heritage. The place of outdoor visit is Kaliabhomora, a historical site with approximately 3 k.m. long bridge over the river Brahmaputra. The area is full of natural serenity and over the hillocks

Field visit

close to the Brahmaputra there was a rock inscription which belong to 17th century old Assamese script rock inscription. At 8 a.m. in the morning the team started its journey and after site seeing and having lunch there the team came back to the Centre at 3 p.m.

Day XXI: (December 24, 2018)

First session was Examination for the participants based on objective questions given by respective Resource Persons from the contents of the Training Program.

Examination

A brief talk on *"Internal Complaint Committee"* has been given by **Prof. Sashi Baruah**, Tezpur University. in her talk Prof. Baruah mentioned about workplace meaning and other circumstances, sexual harassment and laws on sexual harassment at workplace. Along with that composition and responsibilities of ICC, process of making complaint & conducting enquiring has also been discussed.

Prof. Neeta K. Baruah

Following two sessions were taken by **Prof. Neeta K. Baruah**, Department of education, Dibrugarh University on *"Pedagogy and Constructive Methodology"* and *"Curriculum Design based on Constructive Approach"*. The speaker mentioned about importance of learning student psychology and their cognition of learning. She also pointed out that it is a theory based on observation and scientific study that how people learn which says that people construct their own understanding and knowledge of the world, through experiencing things and reflecting on experiences. She also explained about learning pyramid.

In the last session "Feedback" participants were given to fill up a general feedback form. They gave their opinion on conduction of overall Induction Training Program.

Day XXII: (December 26, 2018)

In the last day of the Training Program valedictory session was chaired by Prof. V. K. Jain, Vice-chancellor, TU along with Prof. P. K. Das, Chairman, TLC Advisory Committee and Prof. M. K. Sarma, Director, TLC, TU. Distinguished guests gave their brief speeches and the program came to an end with distribution of certificates and vote of thanks.

A moment during release of the special newsletter

Prof. V.K. Jain delivering the valedictory speech

Prof. P. K. Das in the valedictory

Prof. M. K. Sarma in the valedictory

Distribution of certificates to the participants

Group photo during valedictory

3.6. WORKSHOP ON TEACHING METHODOLOGY AND TECHNICAL WRITING

A week long workshop has been conducted with the department of Environmental Sciences during January 28 to February 03, 2019 on Teaching Methodology and Technical Writing.

Day 1: 28/01/2019 (Monday)

Resource Person: Prof. Nityananda Sarkar, Economic Research Unit, Social Sciences, ISI, Kolkata

Prof. N. Sarkar

The session started with a lecture by Prof. N. Sarkar, on **Statistics and its major objectives**. His lecture included data types, sample survey, sampling design, data analysis and regression theory using statistical methods. He covered the importance of sample survey and discussed the most commonly used sampling design namely

SRSWR/ SRSWOR and stratified sampling as well as data analysis using graphical representation and descriptive statistics (mean, median, variance, skewness, kurtosis etc.)

There was a hands-on training on **data analysis** in the afternoon session, well explained by Dr. Kushal Banik Chowdhury (ISI- Northeast Centre). This was conducted in the Computer Centre, Tezpur University and included practical analysis of descriptive statistics, histograms, correlation, regression and time series variables in Microsoft Excel.

Day 2: 29/01/2019 (Tuesday)

Resource persons: Dr. P.Buragohain, Assistant Professor, Dept of Education, Dibrugarh University & Dr. Gaurangi Maitra, Scientist-I, DBT Nodal Cell, Tezpur University

Dr. P. Buragohain delivered a lecture on **'Positive Education: A New Pedagogy for Classroom Teaching and Creative Learning'**. In his lecture, he discussed on different theories and elements of positive education and explained how it can be molded into the students to help them handle their stressful academic life in a positive way. He discussed about five main elements of positive education- positive emotions, engagement, meaning of life, relationships and accomplishment. According to him, positive emotions are measurable, manageable and can be handled precisely. This lecture served more as a counselling session for the participants who benefitted much.

Dr. P. Buragohain

Dr. G. Maitra delivered a lecture on writing, communicating and editing. She highlighted the usefulness of writing in our everyday life as well as for our academic life and discussed some basic guidelines for effective writing and editing. Her presentation had interesting illustrations and videos that helped the participants to get a clear idea of why communicating our work is important in academic life. She explained how effective writing can help to communicate our work and get recognized as "**Our own Best Brand Ambassador**".

Dr. Gaurangi Maitra

Day 3: 30/01/2019 (Wednesday)

Resource Persons: Prof. D.K Bhattacharya, Dean, Academic Affairs, Dept. of Computer Science & Engineering, Tezpur University & Dr. B.K Sarmah, Assistant Professor, Dept. of Mathematical Sciences, Tezpur University

Prof. D.K. Bhattacharya

In the morning session, Prof. D.K Bhattacharyya delivered a lecture on 'Plagiarism', which is relevant to research and technical writings. His lecture covered tools, techniques and importance of plagiarism in current research publications and emphasized on various detecting tools of plagiarism and their application. Such plagiarism detection tools are very essential for the current researchers to show their sincerity and hard work. This lecture was very useful for all.

The next lecture was regarding a tool called **"LaTex"** presented by Dr. B.K. Sarmah. In his lecture, he introduced various tool of LaTex and described about the basic nature as well as requirements of the tool. He also added the advantage of using "LaTex" over word document. He guided the participants regarding the necessary commands required to use LaTex. The practical session for LaTex was held at Computer Centre of Tezpur

Dr. B.K. Sarmah

University. The session included a series of hands-on 'LaTex' tools taught in the previous sessions. It was an engrossing session as all the participants were totally involved in the work.

Day 4: 31/01/2019 (Thursday)

Resource persons: Prof. M.M. Sarma, Dept. of English & Foreign Languages, Tezpur University Prof. K.P. Sarma, Prof. A.K. Das & Prof. R.R. Hoque Dept. of Environmental Science, Tezpur University

Prof. M.M. Sarma

The morning session started with a lecture delivered by Prof. M.M. Sarma on **'Academic and Technical Writing'**. His lecture included features and qualities of academic writing, writing process, structure of a paper/article, grammatical aspects of writing as well as essential verbs used in academic writing.

Prof. A.K. Das

Prof. A.K. Das delivered a lecture on **'Perspective on Question Paper'**. His lecture was based on his thoughts and personal experience on setting question papers for university students. He emphasized on how the questions should clearly mention keywords to enable the students to answer exactly what is being asked using appropriate terms and jargons. The session turned out to be relevant for the participants who were active in teaching in colleges and universities.

Prof. R.R. Hoque presented a lecture on **'Structure of Scientific and Technical Communication'**. He discussed about the types of scientific communication and format in which a paper should be submitted. He explained how adhering to an accepted format of writing a research paper has advantages and what content a paper should have.

Prof. R.R. Hoque

Prof. K P Sarma presented a lecture on **'The Teaching-Research Nexus'** and discussed the role of teachers in education. He explained how a teacher could enhance his/her teaching by citing examples from their own research and experiences. It was a fruitful session.

Prof. K.P. Sarma

Day 5: 01/02/2019 (Friday)

Resource persons: Prof. V.S. Moholkar, Dept. of Chemical Engineering & Centre for Energy, IIT-G & Prof. G. Bez, Dept. of Chemistry, NEHU, Shillong

The first session was addressed by Prof. V.S. Moholkar on **'Technical Writing of an Experimental or Simulations Research Paper'** and **'A Few Tips for Research Proposal Writing'**, which includes teaching-learning process, aims and objectives of teaching-learning, objectives of Cognitive Domain etc. During the second session, Prof. G. Bez presented a lecture on **'Bridging the gap between available resources and objectives: the challenges in project formulation'.** He discussed the major division of a research proposal and how

Prof. V.S. Moholkar

each division should be addressed. He also described about the common obstacles faced during project formulation as well as the common reasons that could lead to the rejection of a project. He emphasized that persuasive writing and thorough understanding of the topic is necessary for writing a project proposal. The session was well appreciated by the participants. It was relevant and helpful for their current academic status.

Prof. G. Bez

Day 6: 02/02/2019 (Saturday)

Resource persons: Prof. Mukut Hazarika, Dept. of Education, Dibrugarh University & Dr. Sadhan Mahapatra, Associate Professor, Dept. of Energy, Tezpur University

Prof. M. Hazarika

Prof. M. Hazarika delivered a lecture on the **Teaching – Learning Process**. His lecture covered the aims and objectives of teaching and discussed the taxonomy of educational objectives. His lecture also included the concepts and process involved in **'Pedagogy'- The Arts and Science of Teaching at high secondary level** and

'Andragogy'- The Art and Science of Educating an Adult. His lecture was very enlightening.

Dr. S. Mahapatra

Dr. S. Mahapatra addressed the next session. His lecture on **'Classroom Management'** was based on his personal experience in managing a classroom. He introduced various techniques for effective classroom management and discussed qualities of an effective and an in-effective teacher. He emphasized that the best classroom management can be achieved when the students cooperate. The session was quite relevant to the participants as most of them were actively involved in teaching in colleges and universities. This lecture mainly focused on the management of a classroom with large number of students.

Valedictory Session

The valedictory session marked the successful conclusion of the weeklong programme. Dr. Biren Das, Registrar and Prof. Ramesh Chandra Deka, Dean, School of Sciences, Tezpur University along with Dr. Ashalata Devi (Head), Prof. A.K. Das, Prof. R.R. Hoque, from the Department of Environmental Science, Tezpur University graced the occasion. The Valedictory Session comprised of felicitation of guests, followed by brief speeches by the guests, participants and organizers. The workshop came to an end with the distribution of certificates, group photographs as well as pen drives to the participants and a vote of thanks.

The participants gave warm feedback and acknowledged the efforts of the organizers, resource persons and the institute for organizing such a beneficial and informative workshop. Everyone had gained an enriching learning experience that would be forever cherished.

The Invited Guests and Organizers

3.7 DECODING SOCIAL MEDIA: DYNAMICS, USES AND ABUSES WITH THE DEPARTMENT OF MASS COMMUNICATION AND JOURNALISM

Day 1 (Feb 11, 2019, Monday)

Registration

The workshop began on Monday Feb 11, 2019, at 9.00AM with registration in which 40 participants consisting of faculty members, research scholars, and media professionals from both inside Tezpur University and outside the University from different parts of the country registered. A strict attendance list prepared and maintained throughout the week for each session separately. Only those who participated in all the sessions were finally given awarded certificate.

Inaugural Session

Well, we started off with the inaugural session with the felicitation and invitation of the guests. The HoD of Mass Communication and Journalism, Prof. Abhijit Bora, welcomed the resource persons and the participants and later the brief introduction of all the participants and a note about their expectations from this workshop. The Coordinator of the Workshop, Dr. P. Anbarassan gave an overview on the theme of the workshop. Assistant Professor, TLC TU, Dr. Swapnarani Bora talked about the collaboration between TLC and MCJ in conducting this workshop. The session was chaired by the Professor of Eminence, Prof. Sunil Behera. The resource persons provided a remark on the importance of social media. Professor Sisir Basu, provided us insights on the difference of the old and the new media and discussed key words like cultural screen and post truth. The Dean, School of Engineering TU, Professor S.K. Sinha made a note on content and computational trust. Ms. Pratisha Arora and Mr. Vikram Singh,

from Social Media Matters gave us brief insights of their organisation and their organisational activities. Prof. Behera, provided a remark about this workshop, Assistant Professor, Dr. Anjuman Borah gave a vote of Thanks.

The first session

Professor S.K. Sinha talked about the trajectory of technology mediated communication from the agricultural age to the modern information age. He further stressed on the emergence of internet age being the outcome of the technologies of computation and communication. He talked extensively on the emergence of networks, types of servers, virtual hosting and

elaborately explained how the networks graduated from slave master relations to client server relationships. He also mentioned about the differences between programming language and markup language.

Post lunch session

Social Media Matters, Delhi experts Ms Partishtah Arora and Mr Vikram Singh, introduced us to the basics of social media platforms and further elaborated on the dynamics of social networking.

Day 2, (Feb 12, 2019, Tuesday)

First Session

The second day sessions started off with a practical session by Social Media Matters on the uses of privacy settings on Facebook and Twitter. The hands on training is focused on how to use and apply different privacy settings for a safer social networking.

Second Session

Prof. Sisir Basu from BHU deliberated on New Media and Marginalisation. He discussed about the political and sociological aspects of technological developments, he gave the example of the cold war era where the rivalries between two super powers had a direct bearing on a special focus on defence technology. Further he went on to elaborate the Foucaultlian concept of the 'other' which gave rise to the binary theory of the centre and the periphery

that resulted into the marginalisation of the 'other' and extended this concept in the context of the fourth world.

The post lunch session

We had an extensive deliberation on the social media: critical readings of Key thinkers, by Prof. G. Ravindran from the University of Madras. His sessions were divided in two parts. In the first part of his lecture he extensively dealt on the western philosophers and communication thinkers. He made a clear distinction about them. He spoke extensively on Karl Marx's concept of commodity, fetishism, alienation, Herbert Marcuse's: one dimensional man, Horkheimer and Adorno on culture industry, Baudrillard's hyperreality and implosion of media and sign value. Further he explained Kittler's Discourse network stating that there is no software.

Prof Ravindran stressed the concept of 'at a distance' and spoke extensively on the gap between reality and hyperreality quoting Zizek. He, further elaborated on media archaeology, mediating reality and media implosion. He concluded by saying that we live in a highly indoctrinated society where the elementary truth is easily buried.

Day 3 (Feb 13, 2019, Wednesday)

Morning Session

The third day, started off with the lecture by Dr. Shuaib Haneef, Pondicherry University on Social Media Spectacle. In his lecture, citing example from the book 'Society of Spectacle', he extensively talked about the twin factors associated with social media, commodification and alienation where he says that social media is a capitalistic instrument that creates a spectacle luring one out to be conscious about their appearance and hence commodification of the self. This instead leads to more alienation. He further talked about detourment, intertextuality and ended his lecture with a brief note on web 2.0

Post lunch session

We had an intensive and extensive session on Understanding social media with Eastern Communication philosophies by Professor G. Ravindran. He started off referring to Buddha as the first communication philosopher through his modes of sermons. He spoke extensively on Appearance- as the non-intuitive knowledge, intuitive knowledge, duality and non-duality, Assured meaning and real meaning, error, truth, relative truth and the ultimate truth as the six philosophies while stressing on Buddhism principles. He went on to talk about Milas Ras Pa, the Tibetan philosopher explaining about the three levels of understanding reality. The first being driven by appearance and assumption terming as a false reality, the realisation of the false appearance lead to the second level and the third being the ultimate reality, attained

so far by one and only, the Buddha. He also moved on to talk about Nagarjuna, a South Indian Philosopher where he explained the concepts of middle path (Madhyamika), emptiness (Sunyata), and absence of self being. He also talked about Jainism philosophy of communication referring to Ana-ken-da-vada (Relative pluralistic realities), Syad-vada (Conditional Predicated Reality), nya-vada (Partial reality), Pra-mana (Comprehensive logic) and Nya (Partial logic). He also brought out the relevance of the two praradox of Aristotle of form follows matter and that of Thirumoolar, Chapter 8 poem 2 concept of form defying matter.

In the next session, Prof. Ravindran talked about the Sociology of social media. He explained in detailed about the key terms and key thinkers; the fading of the social from Habermas, Simulacra, hyperreality and sinh from Baudrillard, Flows, network and interface from Lash, Territory as a map and map as territory by Borges, Co presence, cosociates and contemporaries by Shultz and Shenyang and scalable sociality by Miller. He further emphasized on Lash as a critic on Baudrillard by saying that the social cannot disappear and what changes is the interface and navigation of the social. Lash's concepts of combinations, networks, flows and navigation are touched upon at a considerable depth.
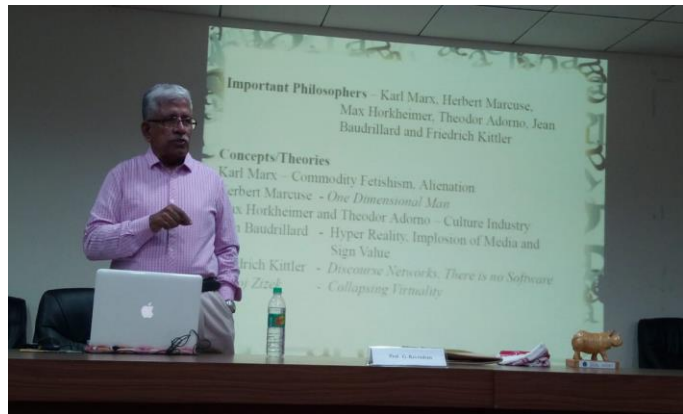
Day 4, (Feb 14, 2019, Thursday)

First Session

Dr. Shuaib Haneef, Pondicherry University, enlightened us about algorithms. He stressed on how big corporates make use of algorithms for more capitalisation of products. His lecture centred around the social power of algorithms; surveillance of technology. He also touched upon gender and computational algorithms.

Second Session

The next session, Prof Abhijeet Bora, briefed us about the fake news across media. He provided examples of various types of news and how can they be termed as faked. He also touched upon the affects and the effects of fake news on media consumers as a whole. He stressed the importance and essence of validating information before circulation, especially for media professionals.

Post Lunch session

The second part of the day, we had hands on training by Dr Jai Kishan and Dr. Monjib Mochary, Assistant professors Assam Don Bosco University. Starting with the energisers, we learnt about the uses of Awesome Screenshot, Tin-eye on how to validate and authenticate whether a media image is faked or not.

Day 5, (Feb 15, 2019, Friday)

First Session

Former Pro VC of Assam University, Prof K.V Nagraj spoke at length on the subject of the importance of culture in communication by saying that the role of culture in communication cannot be underestimated. He started his lecture by saying that media are dream factories aimed for super profit and mass communication is but mind management for passive consumption. He went on to talk about the new media as a new form of massive self-communication of a passive narcissistic receiver. Prof. Nagraj further elaborated on the importance of reading a text in its context and of which he mentioned the types of contexts. Viz. the psychological context comprising of the individual psychology and institutional psychology; the cultural context, the historical context, the social context, the political concept specifying the copyright and copyleft, googlelology; and the commercial context.

Second Session

The next session was a practical based self-learning session by Dr JaiKishan and Dr Mochahari, on how to identify, validate live images from the internet and to authenticate the originality of that media text using extensions like InVid,map checking, stalkscan, mapillary and google earth pro.

Post Lunch Session

Post lunch session we had Prof. T.T. Sreekumar from the EFL University, Hyderabad talking about privacy in the social media. He touched upon panopticon as disciplinary surveillance, the big brother surveillance while explaining about piracy. Touching upon the spectacle that goes beyond narcissism, Prof. Sreekumar talked about how this changed the way we look at privacy and how, we, as consumers actively participate in this integral part of surveillance. Whether good or bad, social media that feeds, breeds and reproduces more narcissism changed the way we look at ourselves. He also talked about the philosophical rupture caused by these new forms of media on the way how we understand ourselves and culture and how we view our privacy. He also brought about a paradox of the base and superstructure of Marx and Ambedkar.

Day 6, (Feb 16, 2019, Saturday)

First Session

Prof TT Sreekumar went on to explain a likely stage of new media redundancy or saturation point in the near future where nothing really matters. He further drew the examples from Eggers' novel The Circle and The New Digital Age: Reshaping the Future of People, Nations and Business by Schmidt and Cohen predicting of what's next. He also talked about global governance, democracy and empowerment. He ended his lecture with a note that media consumers have become subjects of global networks and social media are but ideological apparatus for interpolation of a new global economic order.

To close, from a wide array or social media spectrum of intellectual discourse to hands on experience it was indeed an enriched experience for all of us. We decoded social media, understood its dynamics, how to use it and where and how not to abuse and be abused.

Valedictory Session

Valedictory Session session was chaired by Prof. P.K Das, Dean, School of Humanities and Social Sciences, and also attended by Prof. Mrinmoy Kr. Sarma, Director, TLC, Prof. TT Sreekumar, Prof. K.V, Nagraj and Prof. A. Bora, HoD, MCJ.

Everyone gave a summing up speech on the significance of continuation of engaging with such an issue at different levels. The participants gave their comments and suggestions. The certificates were issued to the participants and the workshop ended with a vote of thanks by Dr. Uttam Kr Pegu.

Day 7, (Feb 17, 2019, Sunday)

Participants went to visit Kaziranga and Tezpur town and since the valedictory was held before hand they were allowed to depart on the same day.

Short Term Program (Outreach)

3.8. SHORT TERM PROGRAMS (OUTREACH)

Short term program on "Innovation and Rejuvenation of Teaching in Higher Education" has been conducted at selected colleges of Assam and Arunachal Pradesh during the last quarter of the year 2018 – 2019. Against the notification inviting proposals from colleges, 10 numbers of proposals have been received and following are the list of selected colleges for the short term program.

Sl. No.	Name of College	Program Date
1.	Silapathar College, Dhemaji	December 28, 2018 – January 03, 2019
2.	Dera Natung College, Arunachal Pradesh	January 12 – 17, 2019
3.	SPP College, Sivasagar	January 28 – February 02, 2019
4.	Suren Das College, Kamrup	February 04 – 09, 2019
5.	Namrup College, Dibrugarh	February 09 – 14, 2019
6.	North Lakhimpur College, Lakhimpur	February 18 – 23, 2019

3.8.1 SHORT TERM PROGRAM AT SILAPATHAR COLLEGE, DHEMAJI

A week long Short Term Training Programme on "Innovation and Rejuvenation of Teaching in Higher Education" was organized by IQAC, Silapathar College, Dhemaji from 28th December, 2018 – 3rd January,2019. The programme is sponsored by Pandit Madan Mohan Malaviya National Mission on Teachers and Training, MHRD, Govt. of India. There were 51 participants from different academic institutions of North East India. This workshop aimed to orient teachers towards recent developments in the fields of teaching practices and rejuvenate the teaching community for the challenges of 21st century teaching.

Day 1 (December 28, 2018)

The inaugural ceremony of the training program started with introduction and felicitation of the guest conducted by Raju Pegu, coordinator of the workshop. The program was inaugurated by Dr. Swapnarani Bora, Assistant Professor and Program coordinator of Teaching Learning Centre, Tezpur University.

Dr. Swapnarani Bora formally welcomed all the participants from different academic institutions. She mentioned about the significance of the workshop and its aims about bringing together a core group of teachers from different academic institutions with a significant participation from our own state. She also stated that the program aimed to orient the teachers towards recent developments in the fields of teaching practices and rejuvenate the teaching community for the challenges of 21st century teaching. She wished for the success of the workshop and inspired and

motivated everyone to actively participate in the workshop to get benefitted. The inaugural ceremony of the workshop concluded with vote of thanks extended by Raju Pegu.

The first two sessions of the workshop were taken by Prof. Neeta Kalita Barua, Department of Education, Dibrugarh University from 11.15 am to 12.45 and 1.45 to 3.15. The speaker delivered her speech on "**Quality of an Effective Teacher Constructivism in Teaching**" mentioning about the Challenge for faculty to be effective in teaching and to make teaching and learning relevant. The speaker also pointed the purposes of self-evaluation, using variety in speech, gestures, and facial expressions, moving around the room, maintaining eye contact, encouraging participation, soliciting input from students, maintaining a brisk lesson pace, what is teaching Pedagogy, factors that determine the pedagogy, traditional class room and constructivism in class room etc.

The last session of day 1 was on Group activity taken by Dr. Swapnarani Borah, Assistant Professor, Department of Assamese and Coordinator of Teaching Learning Centre, Tezpur University. She informed the participants about uploading of videos in You tube and contribution to e-resource link as well how to present audio- visual power point presentation in the class room.

Day 2 (December 29, 2018)

The first session of the pre-lunch was conducted by Prof. Surajit Barkataky, Chairperson of CCS, Dibrugarh University on "ICT based Teaching Learning" from 9.30- 11.00 am. In this session, the speaker discussed elaborately about the role of tools in teaching learning, integration of ICT to enhance teaching learning and web 2.0 supported pedagogies and how to use ICT in class room management for an effective teaching.

The second session of the pre-lunch was taken by Dr. Shrutidhara Mahanta, Assistant Professor, Department of Education, DODL, Dibrugarh University on "ICT based Teaching Learning & Evaluation". She informed the participants how ICT helped to create teaching materials, how to use online resources through ICT for class room management.

The post lunch was taken by Prof. Mukut Hazarika, Dean School of Education, Dibrugarh University on "Evaluation of Students' Achievement". The speaker mentioned about the methods of question paper setting, evaluation of test paper, characteristics of a good test, how to write a multiple choice question paper, to check the level of understanding of students, assessment for identifying the weak areas of students and adopt suitable remediation measures for the same. He also conducted activities on principles of test construction.

Day 3 (December 30, 2018)

First two sessions of day 3 were conducted by Dr. Pranjal Buragohain, Assistant Professor, Department of Education, Dibrugarh University on the topic "Learner Centric Approach of Teaching" and "Effective Classroom Management". He discussed in length the psychology of adolescence and the challenges faced by adolescence. He also pointed the importance and certain strategies that can be used by the teacher for an effective class.

The post lunch session of day 3 was taken by Dr. Amar Upayadhya, Assistant Professor, Department of Education, Dibrugarh University on "Innovative Teaching Practice I and Innovative Teaching Practice II". The speaker explained about innovation through Play, Role-Play and problems in Higher Education, innovative teaching and learning Practices Using Student Partnerships, teaching and learning innovations Using Modern Technologies, innovation through Case-based teaching and learning, innovation through Authentic Learning Environments, Experiences and Field Work, Innovative Teaching and Learning practices using E-learning, digitization knowledge of India, blended learning and collaborative method of learning.

Day 4 (December 31, 2018)

In the pre-lunch sessions of day 4 Dr. Hiranya Chalia, Principal, Kaliabor College, delivered his speech on "Empowering Teachers III and Student Support". The speaker explained in details how a teacher can support students in building a better person- a real resource, teaching about specific issue, Particular skill, growth by sharing resources & Networks, focusing on total development, encourage students for National Integration- celebrating, awareness, motivation, Campaign on Anti-ragging, Anti-drug, witch hunting, Cyber crimes etc. He also gave overview on critical thinking, scientific temper, the six pillars of scientific temper, scientific literacy, interdisciplinary collaboration etc.

The third session of the day was conducted by Prof. Sarat Ch. Kakati, Dibrugarh University on "Role of Teachers in Institution Building". He said that teachers play a very pivotal role in achieving the institutional goals and objectives, community building and cohesion. The teacher can also play an active role in the development of institutional perspective plans.

The last session of day 4 was on activity conducted by Dr. Swapnarani Borah. The session involved discussions and exercise of uploading videos in you tube as well as how to make audio- visual power point presentation.

Day 5 January 02, 2019

The fifth Day of First two sessions were taken by Dr. Paresh Baruah, Rtd. Principal, Dibru College, Dibrugarh on "Empowering Teachers I and Empowering Teachers II". In "Empowering Teachers' I" he highlighted the importance of gender equality, women's empowerment, economic, social and cultural constraints, stereotypes sex hampers quality etc. In "Empowering Teachers' II" he elaborately described the problematic definition of research in undergraduate levels of student participation, contexts for developing undergraduate activity, dimensions for framing undergraduate research contexts and mentoring undergraduate research.

The post lunch session of the day was taken by Dr. Devid Kardong, Associate Professor, Department of Life Science, Dibrugarh University on "Environment and Sustainable Development". The speaker highlighted the importance of organizing awareness program among the students and society to control the Global Warming. He also explained about the change of climate, how to control population, planting trees, ground water reservation and recycling of non-degradable waste.

The last session of day 5 was on group activity taken by Dr. Swapnarani Borah, Assistant Professor, Department of Assamese, Teaching Learning Centre, Tezpur University. In this session participants presented their videos as well audio- visual power point presented.

Day 6 (January 3, 2019)

In the first two sessions of the last day of the workshop was taken by Prof. Kalyan Bhuyan, Department of Physics, Dibrugarh University on "Best Practices in Higher Education and Teacher and Society". He said that the best practices benchmarking approach to quality enhancement can be implemented by adopting five strategies: The identification basically depends on many parameters such as institutional goals, pedagogic requirements, global concerns, local contexts, nature of learners, competences of the staff, infrastructure facilities and governance requirements. He also mentioned that the teacher's place in society is of vital importance, he acts as the point for the transmission of intellectual tradition and technical skill from generation to generation and helps to keep the lamp of civilization burning.

Valedictory session was held after the post lunch session. The session was chaired by Dr. Lakhinath Pegu, Principal, Silapathar College. Prof. Mrinmoy Kumar Sarma, Director, Teaching Learning Centre, Tezpur University graced the occasion. Dr. L.N. Pegu, Principal Silapathar College thanked Teaching Learning Centre, Tezpur University for giving opportunity to organize the program at Silapathar College. Prof. Mrinmoy Kumar Sarma delivered a thought provoking speech by encouraging the participants to do their best to improve their teaching and thereby serve the cause of higher education and nation. He told the participants to be good motivator and facilitator of the students. The director ended his speech with a quotation by Socrates "the greatest wisdom is to know that you know nothing" A few Participants gave their feedback regarding the sessions of workshop. Certificates of completion were given to all the participants at the end. The valedictory session concluded with a vote of thanks offered by Raju Pegu, Assistant Professor & IQAC Coordinator.

3.8.2. SHORT TERM PROGRAM AT DERA NATUNG COLLEGE, ARUNACHAL PRADESH

The Dera Natung Government College, Itanagar organized a week-long MHRD sponsored Short Term Programme on "*Innovation and Rejuvenation of Teaching in Higher Education*" in collaboration with Teaching Learning Centre, Tezpur University for College and University Teachers of Arunachal Pradesh from 12 – 17 January, 2019. About 39 faculty members from different Colleges in Arunachal and Rajiv Gandhi University, belonging to various subjects participated in this programme. The programme was inaugurated by Vice-Chancellor of Rajiv Gandhi University Prof. Saket Kushwaha as the Chief Guest. In his inaugural address, the VC pin-pointed the importance of upgrading the teaching mechanism to meet the call of the present hour and to impart value-added education. The Principal of Dera Natung Government College, Dr N.T. Rikam, while addressing the participants, emphasized on their full participation to get the maximum benefit out of the programme. Besides, he had also shared a brief description of College to the VC. The Coordinator of the programme, Dr Eli Doye in his welcome address welcomed one and all and told that Short Term Programme for faculty members is being organized for the first time in Arunachal Pradesh by any College. Representative from Teaching Learning Centre, Mr. Ikbal Hussain Ahmed, introduced the significance of the programme and appealed the participants for 100% attendance to get the Certificate of Participation.

The Short Term Programme aimed to orient the College and University teachers towards recent developments in the fields of Teaching Practices and rejuvenate the teaching community for the challenges of 21st century teaching. With such objective, several important topics were covered in the programme enlisted as:

1. Quality of an Effective Teachers
2. Learner centric Approach of Teaching
3. Effective Classroom Management
4. ICT based Teaching Learning
5. ICT based Teaching Learning & Evaluation
6. Empowering Teachers
7. Innovative Teaching Practice
8. Evaluation of Students' Achievement
9. Role of Teachers in Institution Building
10. Student Support
11. Environment and Sustainable Development
12. Best Practices in Higher Education
13. Teacher and Society

Several distinguished Professors from Tezpur University, Rajiv Gandhi University, D.N. Govt. College, Itanagar joined the Programme as Resource persons and delivered lectures on these important themes.

After the Registration and Inauguration-cum-orientation, the Programme starts with *Activity for the Participants* which was conducted by the Mr. Ikbal Ahmed who is a Coordinator representing Teaching Learning Centre (TLC), Tezpur University during the weeklong Programme. It was followed by two sessions on *ICT based Teaching Learning* and *ICT based Teaching Learning & Evaluation* by Dr. Sarat Saharia, Associate Professor & Head, Computer Centre, Tezpur University, Assam. On the second day, Dr. Siva Shankar, Sr. Assistant Professor, Dept. of Education, RGU took two sessions – *Empowering Teachers I* & *Empowering Teachers II.* It was followed by one session on *Quality of an Effective Teacher* by Prof. Tomo Riba, Dept. of Geography, RGU and another session on *Learner Centric Approach of Teaching* by *S.K. Sharma*, Associate Professor of Commerce (Retired), DNGC, Itanagar. Dr Shankar took a session on *Innovative Teaching Practice-I* followed by two sessions on *Role of Teachers in Institution Building* & *Students Support* by Dr. Manabendra Mandal, Professor, Dept. of Molecular Biology & Biotechnology, Tezpur University followed by an *Activity* conducted by Dr. Eli Doye, Coordinator as Resource Person on the third day. On the fourth day, again Dr. Shankar resumed his two sessions - *Innovative Teaching Practice-II* & *Best Practices in Higher Education*. It was succeeded by Prof. Sumpam Tangjang, Dept. of Botany, Rajiv Gandhi University who took a session on *Environment and Sustainable Development* which was followed by an *Activity* conducted by Mr. Rubu Tani, Co-Coordinator, as Resource Person in the last session. On day five, S.K. Sharma took a session on *Teachers & Society*, Prof. Kesang Degi, Dept. of Education, RGU on *Effective Classroom Management*, Dr. Madurima Goswami, Associate Professor & Head, Centre for Women Studies, Tezpur University on *Empowering Teachers II* and it was followed by an *Activity* by both Coordinators. On last day of the Programme, two sessions were taken by Prof. P.K. Acharya, Dept. of Education, RGU on *Constructivism in Teaching & Evaluation of Students' Achievement*. It was followed by Feedback by taken from the participants by Mr. Ikbal Ahmed.

Participants with VC, Principal and Coordinators in the Inaugural Function

Finally, in the last session of the sixth day, the Valedictory function of the Programme was organized on 17 January, 2019 and it was attended by Director, Teaching Learning Centre, Tezpur University, Prof. M.K. Sarma as Chief Guest in the Valedictory Function. He congratulated all participants for successfully attending the programme and urged them to remain innovative and updated by applying the ICTs in the classroom regularly. The Principal Dr. N.T. Rikam in his speech, welcomed and expressed heartiest gratitude to Teaching Learning Centre, Tezpur University for accepting and choosing DNGC Itanagar as one of the Colleges to conduct their Outreach Programme. He appealed the Director to felicitate more such programmes at DNGC Itanagar in near future too.

Finally, Prof. Sarma along with Principal Dr. N.T. Rikam, Dr. B.L. Behera and Mr. Ikbal Hussain Ahmed have distributed the Certificates to all Participants and Student Volunteers of the College. Both Dr. Eli Doye and Mr. Rubu Tani have coordinated the Valedictory Program in a grand and successful manner.

Participants with Director, TLC-TU, Principal & Coordinators in the Valedictory Function

3.8.3. SHORT TERM PROGRAM AT SPP COLLEGE, SIVASAGAR

Swahid Peoli Phukan College, Namti organized a weeklong short term program on "Innovation and Rejuvenation of Teaching in Higher Education" from 28th January to 2nd February, 2019 collaboration with Teaching Learning Centre, Tezpur University, under the scheme of Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT), MHRD, Govt of India. A total of 93 candidates applied for the course and 60 were invited for participation. Finally, 57 candidates registered in the course. All the participants sincerely attended the sessions of the course, submitted their assignments and got certificates. A brief outline of the course schedule is drawn below.

Day I: 28-01-2019

On 28th January 2019 the participants of the course registered their names and collected the course kit and materials between 8-30 AM and 9-30 AM.

At 9.30 the program was inaugurated by Prof. Ranjit Tamuli, the Vice Chancellor of Dibrugarh University with an Inaugural Speech. Prof. Tamuli in his speech highlighted various aspects of effective teachers and teaching methods. Moreover, he suggested to inculcate the qualities of ones favourite teacher. In the inaugural session Mrs.

Minu Hazarika, Principal I/C, SPP College, Namti welcomed the participants of the course and Ikbal Husain Ahmed, Course Coordinator from TLC, Tezpur University gave an outline of the schedule of the course. Dr. Shahiuz Zaman Ahmed, Co-Coordinator of the course anchored the session and offered vote of thanks to the guests.

The inaugural Session was followed by a short tea break of 15 minutes and at 9-45 AM the second technical session of the course began. Dr. Basanta Gogoi, Principal, Sibsagar College of Teacher Education was the Resource Person of the session. Dr. Gogoi spoke on "Effective Classroom Management". In his deliberation he stressed on various types of skills of classroom management required for an effective teacher.

Course Participants

The third session of the course began after lunch at 1-45 PM. The session was taken by Prof. Rupam Saikia, Director, College Development Council, Dibrugarh University on "Quality of an effective Teacher". Prof. Saikia in his deliberation emphasized on the skills required for situational leadership.

The last session of the day was an activity based session conducted by Ikbal Hussain Ahmed, TLC, Tezpur University where Mr. Ahmed oriented the participants on Screen Casting and Google classroom.

Day II: 29-01-2019

Prof. Nil Ratan Roy, Department of Education, Tezpur University was the resource person for two sessions before lunch. In the first session he spoke on "Innovative Teaching Practice I" where he emphasized on the various characteristics of a 21st century teacher. He further spoke on efficient teaching methods and procedures in Higher Education. In the second session,

Prof. Roy spoke on various aspects of Pedagogy, Andragogy and Heutagogy. The resource person for the third and fourth session was Prof. Nityananda Sarma, Department of Computer Science & Engineering, Tezpur University. Prof. Sarma in his sessions spoke on "ICT based Teaching Learning". He gave a brief account on machine learning, Google cloud, Google Form, BYOD, human space recognition, podcast, blog and many others. In the last session Prof. Sarma gave a deliberation on "ICT based Teaching Learning and Evaluation" where he stressed on SWAYAM, video- conferencing tools and e- contents available worldwide.

Day III: 30-01-2019

Prof. Neeta Kalita Barua, Department of Education, Dibrugarh University was the resource person for the morning two sessions. In the first session Prof. Baruah delivered on

"Learner Centric Approach of Teaching" and in the second session she spoke on "Constructivism in Teaching". She also discussed on how to make teaching learning process effective. The resource person for the third session was Prof. Lakhiram Saikia, Department of Life Science, Dibrugarh University. He spoke on "Environment and Sustainable Development". The last session was an activity based session where the participants presented their screen casting videos under the guidance of Ikbal Hussain Ahmed, TLC, Tezpur University.

Day IV: 31-01-2019

The resource person for the morning two sessions was Prof. Daisy Bora, Department of Education, Dibrugarh University. In both the sessions she spoke on "Empowering Teachers". She suggested creating inclusive classroom environment by avoiding preconceived ideas and biasness on gender, religion, etc. The resource person for the third session was Prof. Nilima Bhagabati, retired Professor, Department of Education, Gauhati University where she spoke on "Empowering Teachers" and suggested the ways to become a good teacher. Prof. Bhagabati emphasized the need of critical thinking in

the

classroom, etc. She divided the participants into different groups and made the session activity-oriented. She also asked the participants to prepare a blueprint for developing their colleges as institutions of excellence. The last session was an activity based session where Ikbal Ahmed, Assistant Professor, TLC, Tezpur University talked on how to prepare e- resource and also talked on Google classroom.

Day V: 01-02-2019

Prof. Nilima Bhagabati, retired Professor, Department of Education, Gauhati University was the resource person for the morning two sessions. In the first session Prof. Bhagabati spoke on "Students Support". During her presentation she also inquired from the course participants about the student support system in their colleges and Universities. In the next session Prof. Bhagabati spoke on "Role of Teachers in Institution Building". In the session she also emphasized on different aspects of critical thinking. Prof. Bhagabati also did some brainstorming activity with the participants taking them outside of the conference hall. The resource person of the third and fourth session of the day was Prof. Mukut Hazarika, Department of Education and Dean, School of Education Dibrugarh University. First prof. Hazarika spoke on "Evaluation of Students Learning" where he emphasized on the qualities of a good question paper. His last session was on "Question Paper Setting" where Prof. Hazarika dealt on different forms of questions, discussed on blue print of questions and others. This was followed by an activity where the participants were asked by the resource person to prepare and present a blue- print of question papers in their respective subjects.

Day VI: 02-02-2019

On the last day of the course the resource person of the morning two sessions was Prof. Kandarpa Kumar Deka, Vice Chancellor, Mahapusha Srimanta Sankardeva Vishwavidyalaya. In the first session Prof. Deka spoke on "Best Practices in Higher Education" and shared his experiences of different educational institutions and the worthy practices in higher education prevailing in those institutions. This was followed by a session on "Teacher and the Society" in which he stressed on the importance of extension services to be performed by the teacher and the role that a teacher should play in the society. After lunch break there was the Valedictory session. In this session Prof. M.K. Sharma, Director, TLC, TU was the Chief Guest. Prof. Sharma in his valedictory address spoke on the dimensions of higher education, the history of the establishment of TLC, Tezpur University and its aims and activities.

Mrs. Minu Hazarika, Principal i/c, SPP College, Namti was also present in the session who spoke on the efforts and development of the college. Course Coordinator Dr. Biman Chandra Borah presented a brief report of the entire Short Term Programme. At the end of the valedictory session Prof. M.K. Sharma, Director, TLC, TU distributed the certificates to the successful participants of the course. The session was anchored by Dr. Shahiuz Zaman Ahmed, Co-Coordinator of the course. Dr. Ahmed also offered vote of thanks to the guests and the participants.

3.8.4. SHORT TERM PROGRAM AT SUREN DAS COLLEGE, KAMRUP

A week long Short Term Training Program on "Innovation and Rejuvenation of Teaching in Higher Education" was organized by TLC, TU at Suren das College, Hajo from 04 – 09 February,2019. The workshop aimed to orient teachers towards recent developments in the fields of teaching practices and rejuvenate the teaching community for the challenges of 21st century teaching. Altogether there were 28 participants from different Colleges of Assam.

Day I (04/02/2019):

The short term program started with inaugural ceremony where Prof. Amarjyoti Choudhury, Vice-chancellor of Down Town University, Guwahati graced the occasion as chief guest. Dr. Hiranya K. Sarma, Principal, Suren Das College delivered welcome address followed by inaugural speech from Prof. Amarjyoti Choudhury. Prof. Choudhury mentioned about the importance of innovation and rejuvenation of teaching in Higher Education and appreciated such kind of ideal workshop for teaching community of Higher education. He also said that being a teacher in the flux of time is not easy, because new topics and ideas are coming. Observer from TLC, TU, Dr. Bhushita Patowari gave a brief objective and overview of the weeklong workshop. The session was ended with vote of thanks by the Coordinator of the workshop Dr. Arup K. Deka, Assistant Professor, Department of political science, Suren Das College, Hajo.

In the 2nd session Prof. Amarjyoti Choudhury discussed on "Quality of an Effective Teacher". In the session Prof. Choudhury mentioned about various quality of an effective teacher like aids to the mind, builds the basics, crack the walls, eases off with tools, feels the students, goes the totality, harnesses empathy, inspire immensely and judge critically. He also mentioned that teacher is one who teaches. But teaching is what satisfies curiosity and create space for new curiosity. A teacher is one who continues to excite curiosity and inspire to be curious.

Third session was taken by Prof. H. P. Sarma, Rector, Gauhati University on "Best Practices in Higher Education". In this session Prof. Sarma explored the different aspects of Higher education such as curricular aspects, teaching learning and evaluation, research consultancy and extension, software, governance, leadership and management etc. According to him improving all these aspects and practices will definitely help to build a better higher education platform.

Last session of Day I was Activity on ICT taken by Dr. Bhushita Patowari, Research Associate, Teaching Learning Centre, Tezpur University. In that session participants were introduced with generation of e-resources and screen casting. Participants were also demonstrated to prepare an e-resource and video resource of their respective disciplines using screencast-o-matic software.

Day II (05/02/2019):

The second day was started by the words of Prof. (Rtd) Krishna Gopal Bhattacharyya, Department of Chemistry, Gauhati University. In this session Prof. Bhattacharya discussed about "Student Support" and "Role of Teacher in Institution Building". He mentioned about various concepts regarding students support in higher education. Those were – career Counseling, placement and future avenues, Student outreach program, Motivation and national integration, Student redressal, Parallel learning, Student mentoring and Role of alumni. He also said that there are three common student support services identified in the higher education institutions, they were - Academic, Career and Psychological counseling. He added about the students' perception on support services, sstudents' satisfaction, career guidance, student' outreach program and its benefit, motivation and national integration.

In continuation of the 2nd session Prof. Bhattacharyya emphasized on role of teachers in achieving the institutional goals and objectives, role of teachers in institutional integrity, institutional community building and cohesion, participation in institutional perspective plans. He also mentioned about the duties and responsibilities of teaching faculty, they should comply with the relevant policies, rules, regulations, norms and standards set to guide their work and while every individual member is accountable for his/her action, as member of the University/College community, they are collectively accountable for upholding those standards of behaviour and for compliance with all applicable rules, regulations and code of conduct. In his deliberation Prof. Bhattacharyya also identifies some concepts likes course planning and material preparation, examination, evaluation and grading, maintenance of records, monitoring of students' progress, participation in academic developments, punctuality and regularity, academic research, co-curricular activities and summarized the role of teachers in institution building.

Post-lunch sessions were taken by Prof. (Rtd.) Nilima Bhagabati on "Empowering Teacher I and III". The speaker motivated for career advancement and perspective of career advancement. According to her Discipline, Devotion and Dedication are 3 D's for a teacher to be empowered themselves. She also mentioned about the importance of the interdisciplinary aspects of teaching and critical thinking. The session was carry forwarded with a group activity of critical thinking and presentation by the participants.

Day III (06/02/2019):

First two sessions were taken by Prof. Padmini B. Boruah, Department of ELT, Gauhati University on "Innovative Teaching Practice I and II". Here Prof. Boruah clearly explained the metaphor of a classroom. She explained and demonstrated different situations and examples of creating an environment for teaching and learning as an innovative method. Those are think pair shape, brainstorm, buzz group, board group misconception cheek; fishbone, metaphor role play and

crossword puzzle. She also emphasized on the role of a teacher regarding students' engagement in the classroom. Educational innovations emerged in various areas and in many forms. Innovation can be directed towards progress in one, several, or all aspects of the educational system. Overall, the sessions were discussion cum activity oriented sessions.

Prof. (Rtd.) Swarnalata Das, Department of Education. Gauhati University delivered speech on "Evaluation" and "Activity on Test Construction" in the post-lunch sessions. According to Prof. Das, evaluation is always a systematic and predetermined procedure. There are different types evaluation namely – Formative evaluation, Placement evaluation, Diagnostic evaluation, Summative evaluation, Planning evaluation, Process evaluation, Outcome evaluation and Impact evaluation. Although summative and formative evaluations are widely used. She has also emphasized on construction of test. Generally, two types of tests are used in classroom environment – essay type test and objectives type test. Essay type test has extended response and restricted response. Again objectives test has sub-divided as supply test and selection test. The speaker also pointed out the level of difficulties and the procedure how to measure the difficulty level of a question with a group activity of MCQ preparation.

Day IV (07/02/2019):

In the forenoon sessions Dr. Bornali Bhuyan, Associate Professor, Department of English, KRB College, Guwahati delivered on "Empowering Teacher II" and "Teacher and the Society". In both the session Dr. Bhuyan discussed about understanding inclusion within and beyond the classroom. There are so many different things that our learners could achieve if we give them the chance to do so. She emphasised on the driving principle to make all students feel welcome, appropriately challenged, and supported in their efforts. It is also critically important that the adults are supportive too. The speaker also mentioned about gender sensitivity. As a facilitator we all must have to try to develop gender sensitivity among the students that will create a better environment for learning and education. In this regards the speaker pointed out different views of student community given by the students of various colleges in Guwahati.

The 3rd session Dr. N Amareshwaran, Assistant Professor, Department of Education, NEHU delivered his speech on "Constructivism in Teaching". The speaker explained the concept of constructivism which is basically a theory based on observation and scientific study about how people learn. He said that people construct their own understanding and knowledge of the world, through experiencing things and reflecting on those experiences. Constructivism is a theory of knowledge, learning, and teaching.

Last session was Activity session taken by Dr. Bhushita Patowari. The session was in continuation of the previous assignment of e-resource and screen casting.

Day V (08/02/2019):

In the 5th day of the program the sessions were taken by the Dr. N. Amareshwaran on "Learner Centric Approach of Teaching", "Effective Classroom Management" and "ICT based Teaching Learning". In his discussion Dr. Amareshwaran mentioned about various approached of teaching and learning. According to him, learner is the treasure that will follow its owner everywhere. There are different dimensions of learning that are Learning to Know, Learning to Do, Learning to Be and Learning to Live Together and these four dimensions are related to knowledge.

The speaker discussed about the concept of effective management of class room. According to him, it is a set of principles, beliefs, or ideas about the nature of learning which is translated into the classroom. Teaching Strategy is a long term plan of action designed to achieve a particular goal. Teaching Method is a systematic way of doing something which implied an orderly logical arrangement of steps. It is more procedural. Teaching Technique is well-defined procedure used to accomplish a specific activity or task. Learner Centric Approach is premised on the belief that the learner is also an important resource because he/she also knows something and is therefore capable of sharing their knowledge.

In the last session Dr. Amareswaran demonstrated some e-learning which are available on different portals. Participants were acquainted with self-learning courses.

Day VI (09/02/2019):

In the 1st session Prof. Abani K. Bhagabati, Department of Geography, Gauhati University delivered his speech on "Environment and Sustainable Development". Prof. Bhagabati mentioned about the upcoming challenges of sustainable development with reference to North-East India. The speaker mentioned about physiographic division, Wetlands and Demography of North-East India along with increasing conflict with nature.

Following two sessions were "Activity on ICT" and "Feedback" taken by Dr. Bhushita Patowari. Creation of Google form was demonstrated and participants also made a Google form in their respective fields. Along with that participants were submitted their e-resources and presented progress of screen casting videos. An overall feedback form was given to the participants to give their views and suggestions for improving the weeklong workshop in near future.

The last session of the short term course was valedictory session. The session was started with welcome and felicitation to the dignitaries, Guest of Honour Prof. Jogen Kalita, Director, HRDC, GU and Chief Guest Prof. Mrinmoy K Sarma, Director, TLC, TU. Welcome address given by Dr. Hiranya K. sarma, Principal, Suren Das College, Hajo. Followed by address from guest of honour, feedback from participants and address from chief guest. Coordinator and observer also presented their overall report of the program. Completion certificates of the weeklong program were distributed by

the dignitaries. Vote of thanks given by the joint coordinator and the program came to end with the national anthem.

<u>Some glimpses of the workshop:</u>

3.8.5. SHORT TERM PROGRAM AT NAMRUP COLLEGE, DIBRUGARH

Day 1: (Saturday; 9th February, 2019)

Session I: Inauguration

The inaugural session started with a Borgeet by Dr. Chabi Gogoi, Associate Professor, Department of Assamese, Namrup College. It was followed by felicitation of guests and the objective of the programme by Joint Co-ordinator Nibedita Phukan, Associate Professor, Department of English, Namrup College, and the lighting of the ceremonial lamp. Mr. Atul Gogoi, Principal i/c of Namrup College, declared opening of the programme with his inaugural speech. Guest-of-Honour, Prof. K. K. Deka, the Vice-Chancellor, MSSV, Nagaon, delivered his key-note address. In his speech, Prof. Deka reflected on the changing scenario of education of the present world and the need for changes in the field of teaching and learning. He focused on the changes of aims and objectives; environment, techniques and materials in the present global scenario. Innovation and rejuvenation in education can make our students move with the world pace. Ikbal H. Ahmed, Co-ordinator, TLC, TU notified the participants with the rules and regulations of the programme. The inaugural session ended with vote of thanks offered by Joint Co-ordinator Jayanta Sonowal, Assistant Professor of Botany, Namrup College.

Session II: Quality of an Effective Teacher -   Prof. K. K. Deka

Prof. Deka, emphasized on the importance of innovation in teaching. To do justice to learners teachers should have to adopt innovative techniques and methods to hold the attention of the learners with different ability. Prof. Deka reflected upon developing the analytical ability of the students. Especially in Higher Education, the teachers need to guide the students in developing their thinking ability. He said that it will help the students in forming and giving their own opinion. A good teacher can inspire the students to think because he can ignite their imagination. Teachers need to teach them how to get information and how to select and use them. Teachers play the most dominant role in moulding and shaping the attitude, habits, manners, character and personality of the students. He discussed the duties of a teacher -to provide resources, to provide support to the learners, to inspire and guide them. He stressed that a teacher must be a mediator and not a delegate of the curriculum.

Session III: Constructivism in Teaching - Prof. K. K. Deka

In this session Prof. K. K. Deka talked about Constructivism and its use in teaching. Constructivism is basically a learning theory in Education and discussed different aspects of Constructivism as a learning theory. According to this theory, learners can construct their knowledge by experiencing things. To apply constructivism in classroom, the teacher needs to engage the students actively in the learning process. By posing questions and problems, the teacher can guide the students to find their own solutions. Group work and hands-on-practice are very helpful in this regard. In constructivist practice, the teacher becomes the facilitator of knowledge who guides the students in the learning process.

Use of Constructivism in teaching actively involves learners actively rather than being passive receptacle and learning becomes enjoyable for them. It leads the students to think and analyse by themselves rather than merely memorizing things. It gives them ownership of what they learn and hence provides a kind of satisfaction. It also promotes social and communication skills that help the learners in real life situations. He said that seminars, group discussion, team work, project, discussion forum etc. are some of the effective approaches of Constructivist method of teaching.

Session IV: Activity Session- Ikbal H. Ahmed

In the last session of the day, Ikbal H. Ahmed demonstrated how to create the e-resource support with an example from TU website and gave assignment on the basis of that. Selection of a topic is and then to search for related videos available on YouTube are discussed. Then he asked them to copy the link of the video(s) and to paste on the e-resource support form. This video can be discussed up to level of the students' learning suitability. Likewise the links of related e-journal or e-books, website and databases are needed to be provided and described in the form.

He discussed about Screencast-o-matic software and creating a video of their own and interacted with the participants regarding their queries and gave them assignments of e-resource and screencast.

Day 2: (Sunday; 10ᵗʰ February, 2019)

Session I: Addressing Students Problem - Prof. Dhanapati Deka

Prof. Deka started his talk by pointing out the major problems faced by students today. Some of these are: exam pressure, financial problem, overuse of internet, stress and depression, diversity etc. He said that various sources are important in solving students' problems; such as teachers'

intervention, parental intervention, counseling, disciplinary action etc. Among these he talked on teachers' role at length. He said that teachers' role is very important in solving students' problems. Teachers need to build a positive relationship with the students. We must listen to them and then only they will listen to us. To solve their problems teachers need to be pro-active and should be ready to help them at any time. He stressed on quiet corrections as these are more powerful. He suggested that teachers should not take students' behavior personally.

Further, he said that it is important to keep the students busy in constructive and positive activities like games and sports to keep them away from negative things. He added that it is impossible to solve problems at the time of conflict. However, sometimes we need some regulatory and disciplinary actions to ensure students' code of conduct. He substantiated his points with various examples from his personal experiences as the Dean of Students' Welfare, Tezpur University.

Session II: The Role of Teachers in Institution Building – Prof. Dhanapati Deka

In this session, Prof. Dhanapati Deka discussed the different factors that contribute towards the development of an institution. He opined that an institute should have the ability to transform the society, and for that it must have clear goals and mission. Even every teacher must have a clear vision and mission of his own and they can then work to achieve that goal. He discussed the different organs that an institute must have like NCC, NSS, and IQAC etc. These organs can help the institute to interact with society through different constructive activities.

He emphasized on the importance of research in an institute. Teachers must engage themselves and their students in research activities. Importance of inter-institute linkage such as student and teacher-exchange programmes and industry-institute partnership are discussed. Curriculum should be updated after every three years.

The last point he discussed is the importance of committees in an institute in solving different problems. Committees can discuss the problems to find out possible solutions. He said that many government and non-government fund providing sources are there of which the teachers and the institute must be aware of and should apply for the same for the benefit of the institute. In this context, he emphasized on the timely submission of financial reports which helps the institute to gain trust and to get provision again in future.

Session III: ICT based Teaching, Learning and Evaluation - Prof. Nityananda Sarma

Prof. Nityananda Sarma, in this session reflected on the changing paradigm of teaching and learning in today's world. He said that walking into a classroom today is very different from walking into a classroom ten years ago. The advances in educational technology have created drastic changes in the teaching-learning process. Students today have easy access to information and thereby it is necessary to guide them in choosing and using this information in a proper way.

He defined ICT as the technology that is used to create, convey, manipulate and store data by electronic means. He said that ICT can help in teaching and learning in various ways. It allows students to have more control over their own learning. It makes them actively engage in the teaching learning process. It helps the teachers to guide more and teach less and to identify the 'at risk' students. He showed with a chart how the use of online delivery has increased in today's education system. Unlike the traditional system where the content is delivered face to face, in Blended Education both face to face delivery and online content is used, whereas in online courses like MOOCS almost all the content is delivered online.

Use of ICT has changed the role of both teachers and learners. From a transmitter of knowledge, the teacher has changed into a guide and a facilitator of knowledge, whereas the learner has changed from passive to an active learner and from a dependent learner to an autonomous one. They become the producer of knowledge and have learnt to think, create, communicate and collaborate.

Session IV: Web 2.0 - Prof. Nityananda Sarma

In this session, Prof. Sarma talked about Web 2.0 supported pedagogy. He discussed the difference between web 1.0 and web 2.0. Web 2.0 is a new phase in the development of World Wide Web and an umbrella term for a host of recent internet application. Web 1.0 was one dimensional but in web 2.0, information flows in multiple directions. He points out some of the services and application of Web 2.0 in the field of teaching and learning, such as blogs, wikis, multimedia sharing services, tagging and social bookmarking, podcasting etc. and discussed these in detail.

Focusing on the advantages of Web 2.0, he said that using Web 2.0 means learning with technology rather than learning for technology. It makes students more involved in the learning process and helps them in participatory and collaborative learning. It has some challenges too such as difficulties in getting up-to date of application, unnecessary distractions, plagiarism etc.

How social media can be used effectively for teaching is an important point. In the classroom it can be used with BYOD – Bring Your Own Devices policy adopted by institutions. Classroom blogs can also be used where students are required to write a blog post and to comment on each other's post. However, one needs to be careful in using social media and teachers need to teach the students how to control their temptation for social media and how to use it safely. Then he went on discussing the security and privacy issues involved in online education. There can be social engineering attacks like spamming, phishing etc. and one must be very careful in using social networks.

He discussed how WhatsApp can be used effectively for education. Similarly there is M-learning that helps students to learn through their mobiles. Moreover there are many video conferencing tools like A-View, Skype, and Google Duo etc. which can be used for educational purposes. He also talked about certain other educational technologies like web-conference, Screencasting, Ted etc. that have revolutionized the teaching-learning process. Such digital tools have many advantages like it prepares students for the future, helps to engage and motivate them, support collaboration skills etc. At the same time it has certain disadvantages. Over use of internet can result in lack of interest in study and make students vulnerable to potential pitfalls like gaming.

Finally, he gave a list of certain Internet based educational projects like NPTEL, Virtual Labs, Talk to Teacher, Spoken Tutorial, CEC, E-Yantra, Swayam etc.

Day 3: (Monday; 11ᵗʰ February, 2019)

Session I: Students' Research and Dissemination of Research - Prof. Daisy Bora Talukdar

In this Session, Prof. Daisy Bora Talukdar talked about empowering teachers. It is important for the teachers to empower themselves to face the technologically equipped well-informed students. Teachers need to equip themselves with the necessity of time and technology. Innovation and rejuvenation can lead to empowering teachers in the present teaching-learning situation.

She defined empowerment as a multidimensional social process that helps people to gain control over their lives and society, by acting on important issues. She points outs six dimensions of teachers' empowerment:

1) professional development
2) autonomy
3) involvement in decision making
4) teacher's impact
5) teacher's status
6) teacher's self-sufficiency

She discussed the importance of research for the students as research helps the students to have hands on practice, to solve problems and to develop their communication skills. Moreover, it enhances their knowledge, clarifies confusion, gives proper understanding of the subject and helps to create a balance between the collaborative and individual work.

Student research is beyond academics as it helps students in academic work as well as having tolerance for obstacles, learning to work independently, gaining self-confidence, getting clarification on a career path, understanding society and culture etc. She discussed some of the types of popular students' research. They are: course-specific workshops, projects and term papers, observation visits to other institutions, student-exchange programme etc.

There are two schools of thought on students' research with their own merits -- student generated and mentor generated. The student generated research allows students to think of their own whereas the mentor generated research turns out to be scholarly.

She discussed about dissemination of research without which research is meaningless. There is a lacuna in academic research, i.e., most of the time these are not contributed to the society and not helpful in policy making. She said that certain things need to be considered for dissemination of research, like, objective, audience, timeline, strategy, partners, channels, coverage and frequency etc.

She talked about three popular ways of disseminating research:

a) manuscript publication
b) articles published in journals
c) oral or poster presentation

Finally, she said that one needs to be aware of the risk involved in disseminating one's research.

Session II: Inclusive Education -- Prof. Daisy Bora Talukdar

Prof. Talukdar talked about the different kinds of divisions that exist among the students in a class. There is difference between first, second and third generation learners, between rural, urban and semi-urban areas. Moreover, at present time, there is digital division exists between the learners in a class. It is important to include the diverse groups of students and to bridge the gap between them. In this respect she posed a crucial question: whether one's attempt to include actually pushes them out; whether our attempts are non-stereotypical or not.

For an inclusive system, teachers need to create a supportive respectful environment both in and outside the class room. Teachers need to have high expectation from all the students and should create a supportive peer culture. Community approaches and inclusive education are augmentation in quality education for which teachers need preparation with their plans.

She points out certain ways for inclusive education:

1) getting to know the students
2) being aware of seen and unseen diversity
3) motivating students to comment
4) never asking a student to speak for a whole group
5) taking the classroom as a community
6) avoiding to ignore or single out particular students
7) taking feedback from the students

She focused on teachers' need to be willing to understand the diversity among the students. Before winding up the session, she showed a short video clip related to gender sensitivity and reflected upon the necessity for the teachers to be aware of such sensitive issues.

**Session III- Empowering Teachers in a Changing Landscape of Higher Education -
Prof. Neeta Kalita Barua**

Prof. Neeta Kalita Barua began her talk by speaking on the changing paradigm of higher education including four imperatives for 21st century learning. These are -- preparing for global competition, understanding individual differences, lack of relevance and the creativity crisis. She discussed the major shifts in education today as it shifted from teacher centric to learner centric education, the focus has shifted from the teachers' decision to

learners' autonomy, and instead of passive reception it aspires for active participation by the students. In the light of this changing scenario, teachers need to develop certain qualities in the learners of higher education. In this regard she talked about the four Cs-

1. Critical thinking and problem solving
2. Communication
3. Collaboration
4. Creativity and innovation

Prof. Barua, talked about professional growth of teachers which is beyond financial growth and career progress. She provided three tips for career enhancement of the teachers: self-discipline, sincerity and success. She focused on the necessity of inculcating critical thinking and scientific temper among the students of higher education.

Session 4: Constructivism and Teaching Pedagogy --Prof. Neeta Kalita Barua

In this session, Prof. Barua discussed the use of Constructivist method in teaching. Constructivism is a theory that people construct their understanding and knowledge of the world on the basis of their past experiences. She discussed different proponents of this theory. Discussing Jean Piaget, she said that according to him learning consists of three things- assimilation, accommodation and equilibration. In the constructive model of learning a learner learns in one of the three ways. First, when a learner gets a piece of new knowledge, it may match up with his/her previous knowledge and add it to their understanding. Secondly, the information may not match previous knowledge and the learner has to change his/her previous understanding. Thirdly, the information may not match up and is being rejected by the learner. She said that in a constructivist classroom, learning becomes constructive, active, reflective, collaborative and evolving.

She discussed how a teacher can use constructive method in classroom. The teachers need to pose problems, and to value students' point of view. The teachers should encourage students to use active techniques. They need to understand the students' pre-existing concepts and then build on them. She, then, listed out various activity based teaching method and practices like laboratory method, project, seminar, group discussion, peer tutoring, community survey etc.

Day 4: (Tuesday; 12ᵗʰ February, 2019)

Session I: Innovative Teaching Practice-Prof. Jogen Chandra Kalita

The resource person started the session emphasizing on the need of innovation. It was stated

that the challenges of the rapidly changing society could be met with innovation in the teaching and learning process. For this, he quotes the Chinese philosopher Confucius: "I hear and I forget. I see and I believe. I do and I understand." He points out that one needs to work more to know more in order to develop innovative ideas. On the innovative methods of teaching, he asks the teachers to think along with encouraging the students to think as well. Here he quotes American author and critic Mark Van Doren: "The art of teaching is the art of assisting discovery."

He stated the importance of treating technology as an advantage for the 21st century education. For example, the use of smartphones in the classroom could be encouraged in a positive way. As educators, we must continuously ask ourselves: "What do students need to learn to succeed in the world to come?" He points that the people from humanities should guide the society and those from the science background should discover something for the nation. He encourages the teachers to have a vision for the 21st century teaching and learning which should include global awareness; financial, business and entrepreneurial literacy; civic literacy; health and wealth awareness. The value framework for this should include contributing to national development fostering global competencies among students, inculcating a value system in students and promoting the use of technology with the quest for excellence. The most valuable resource in the 21st century is mind power because it helps to solve problems. The biggest challenge of higher education in the changing scenario is due to internationalization and globalization.

He discussed on the UGC mandate for quality targets and about developing quality culture. He focused on the importance of inculcating 21st century skills for meeting the needs of 21st century teaching and learning process instead of 20th century. He gave importance to the fact that teachers should strive to make them visible to the world by making the students visible in the global scenario. Here, he also points that a changing economy makes education more important. He stated the main points due to the shifting role of teachers in present scenario which includes encouraging to think, quality creation, the information provider, the role model, address the need of the learner and empowering students.

Day 4: Session II: Innovation Teaching and Research Opportunities –Prof. Jogen Chandra Kalita

The second session was by the same resource person. Prof. Jogen Chandra Kalita spoke on "Innovation Teaching and Research Opportunities". He began by stating that a society is benefitted by knowledge. Research helps in this regard to develop the knowledge process.

Research is a creative process which requires imagination, initiative, intuition and curiosity. He emphasized on the importance of creating a research committee in the educational institutions for working in collaboration. He quotes for the teachers: "You'll have to shape the future of the world" and recognize oneself as world citizens.

Day 4: Session III: **Evaluation of Learning and -- Prof. Mukut Hazarika**

This session was by Prof. Mukut Hazarika, Department of Education, Dibrugarh University. He delivered his lecture on "Assessment of Learning and Question paper setting". He began on the importance of the teaching learning process which comprises of asking the basic questions of "Why? What? How much? How?"; and inter-relations between these questions. He discussed on why the objectives of teachers might not get fulfilled if the processes including "Objectives, Content, Methods and Evaluation" are not given importance. Here, he quotes: "We improve the evaluation process to improve teaching" of the 1948 Radhakrishnan Commission. The definition of education tells us to modify the behaviour of the students through intellectual ability modification, psychomotor modification and emotion or values modification. He discussed the taxonomy of educational objectives of Benjamin S. Bloom. He stated that having knowledge is the lowest level because it is just the ability to recognize and recall by the student. Understanding or Comprehension, Application, Analysis, Synthesis, and Evaluation are the next objectives of education. The most important objective is the evaluation level which enables the learners to make judgments about the value of ideas or materials. He also discussed the action verbs that could be used to set questions in the question paper. For instance, the action verbs for the evaluation level are 'apprise', 'compare', 'conclude', 'contrast', 'relate', etc. He points out that the major quality of a good question is that it should be new to access high order ability and not just recall ability.

Day 4: Session IV: Question Paper Setting: Prof. Mukut Hazarika

In this session, Prof. Mukut Hazarika emphasized that the novelty of a good question paper is that a new question must be introduced each time. There must not be any scope for misinterpretation in the questions. He discussed on the differences between objective and subjective questions, the qualities of a good question paper, and also the qualities of a balanced question paper. He also showed some blueprints on the techniques used to set a good question paper.

Day 5: (Wednesday; 13th February, 2019)

Session I and II: Activity sessions –Ikbal H. Ahmed

The first two morning sessions were taken by Ikbal H. Ahmed, Assistant professor and Co-ordinator of Teaching Learning Center, Tezpur University. They were activity based sessions. The assignment on Screencasting using the software named 'Screencast-o Matic' was presented by the participants. Almost twenty of them presented screencasting videos on various topics like "What is History", "Articles in English Grammar", "Onomatopoeia", "GST in Indian Economy", "Love poems of John Donne", "Tai Khamyung Tribe and it's socio-economic and cultural life with special reference to Powai Mukh village", "DNA and Biotechnology" etc.

Day 5: Session III: Environmental Science: Scope and Challenges –Prof. L. R. Saikia

The lecture of this session was delivered by Prof. L. R. Saikia, Department of Life Sciences, Dibrugarh University. It was on "Environmental Science: Scope and Challenges". The resource person began by speaking on the importance of environment in the human life. He discussed on the parameters of human environment which are Intellectual environment, Cultural and Socio-economic environment and Physical environment. These parameters affect the quality of life, human relation and the living condition. He stated that the study of Environmental Science receives top priority because there occurs vast

difference between resource need and it's availability. He discussed that most of the environmental problems arise from over utilization of natural resources. These include air pollution, water pollution, biodiversity depletion, waste production and food supply problems.

He stated that all means of satisfying human needs, at a given time and place are resources. He discussed on the meaning of natural resources and the different types of natural resources like land, water, forests, etc. The categories of natural resources being Renewable (flow) resources, Non-renewable (stock) resources, Continuous resources and extrinsic resources. The Extrinsic resources are more important these days due to some of the key natural resources that he discussed are Forest resources and mineral resources. He focused on the 'story' of top soil and

flood and deforestation, carbon trap and global warming. He emphasized on the uses and exploration of mineral resources and also the efforts to conserve the mineral resources.

The sustainable development strategies on the new horizon for environmental management were also discussed by him. The strategies are controlling the population growth, conservation of natural resources like water, Forest, soil, biodiversity, reducing the waste of matter and energy resources, placing more emphasis on pollution prevention and waste reduction. He stated that "we need conservation based development program with 'systems' approach".

He discussed the remedial measures for the conservation of the natural resources. The measures to be undertaken are preparing framework for national/regional conservation strategies, integration of conservation and development, Environmental planning and rational use allocation, improvement of resource management capacity, people's participation, conservation based rural development, environmental education, necessary to streamline the planning and executive machinery to enable quick implementation of the environmental management projects.

Day 5: Session IV: Environmental Science: Scope and Challenges - Prof L. R. Saikia

This session was also taken by Prof L. R. Saikia. It was an interactive session where the resource person answered to the various queries questioned by the participants. The important topics discussed were -- the use of plastic and the effects of burning plastic bags, the use of antibiotics and the effects of it, Eco-erosion, etc.

Day 6: (Thursday; 14th February, 2019)

Session I: **Situational Leadership and its relevance on teaching and learning –Prof. Rupam Saikia**

The session of 14th February (Thursday) was taken by Prof. Rupam Saikia, Chairperson of Centre for Juridical Studies and Director, College Development Council, Dibrugarh University. He spoke on "Situational Leadership and its relevance on teaching and learning". He began by quoting that the emerging sense of today is "a teacher is the leader of a situation". Situational leadership comprises of the semantic approach, penumbral approach and normative approach. He focused on the penumbral approach which means breaking bounds to infuse dynamism in pedagogy. He

provided different case illustrations to discuss the important points. Some of them are -- The Vinay Khare vs. State of Uttar Pradesh, Tribhuwar Misra vs. D.I.O.S AIR 1992, etc. to focus on the philosophy of objectivity, subjectivity and conflict resolution.

He stated that we must cultivate the culture of a student being supervised. This would help in removing of the fear psychosis from the student's mind. This is a way of receptive learning with effective teaching. He defined Situational Leadership as "an integral part of professional leadership based on certain standards and expectations, which may be contextual as well as legitimate. Uncertainty management and situational leadership may appear to be identical on certain counts- but not so."

The resource person also emphasized that a teacher should be a facilitator instead of a "sage on the stage". Besides, he regarded experience to be very important in pedagogy because it helps in introspection and makes it easier to philosophies. He also mentioned some tests of situational leadership which are - Communication skill, Insightful and liberal approach, acumen to understand academic morality and social commitments, identification of zone of conflicts with individual and social perceptions. He stated that the importance of Academic morality which includes Universal tolerance, Liberalism or liberal behaviour, and Respect for Constitutionalism. In order to discuss this point, he provided the case law illustrations of Mohini Jain vs. State of Madras, and Anu Krishnan vs. Andhra Pradesh (1993) judgments. He urged that the root of all the new educational policies could be known by studying the case law judgments behind them.

Day 6: Session II: Prof. Rupam Saikia

The second session of the day was also by Prof. Rupam Saikia. In this session, he talked about the components of pedagogy inside classroom with a flow chart. He discussed on the importance of the need of an academic mind and intellectual perception. He stated that morality will guide us in situational leadership for effective teaching. He asked to focus on soft skills and personality development. He mentioned soft skills to be comprising of communication and presentation skills, team work, time management, problem solving, analytical reasoning, moral and ethical awareness, critical and reflective thinking, social intelligence and emotional intelligence. He quoted that "we are the supervisors of ourselves" and these skills and academic morality will help us justifying our intent to raise our identity at the moment of crisis. Because, apparently, everyone might look equal but inherently, it might not be the case. Students are the primary stakeholders in academics and are the important judges of the teacher. He also mentioned the UGC mandate for quality targets. He stated that quality is not achieved accidentally; it always results from good intentions, sincere efforts, intelligent direction and meticulous execution. He also discussed the objectives and elements of Pedagogy. He is quoted as saying that "there should

be liberalization of our thoughts besides economic and cultural liberalization" for quality teaching which would lead to both effective teaching and effective learning as well.

Day 6: Valedictory session

The Valedictory began as the post-lunch session in the afternoon. The joint coordinator of the programme Nibedita Phukan started the session with the felicitation of the guests. The dignitaries present in this session are Director of Teaching Learning Center, Tezpur University-Prof. Mrinmoy Sharma, and Principal i/c of Namrup College Mr. Atul Gogoi, Vice-Principal of Namrup College Mr. Bimal Ch.Gogoi, Co-ordinator of TLC, Tezpur University Ikbal H. Ahmed. Each of them enlightened the participants and everyone present with their inspiring and congratulating words for the completion of the Short Term Programme despite hardships like the bandhs. Three of the participants also shared their experiences with everyone. The Joint Co-ordinator Jayanta Sonowal offered vote of thanks after the distribution of the certificates.

3.8.6. SHORT TERM PROGRAM AT NORTH LAKHIMPUR COLLEGE, LAKHIMPUR

18th February, 2019

A week long **Short Term Programme** on "**Innovation and rejuvenation of Teaching in Higher Education**" started on **18th February, 2019**. The registration started at **8:30 a.m.** and all together 40 number of participants from various colleges in Assam registered for the programme. The Inaugural session was held at 9:30 a.m. in the Digital Class Room, and was anchored by the host Coordinator Dr. Binda Sah. After the felicitation of the President, Dr. Biman Ch. Chetia, the inaugurator, Dr. Hemanta Kr. Boruah, and the home coordinator from T.L.C., Tezpur University, Dr. Swapnarani Bora, the anchor handed the agenda over to the President of the session, Dr. Biman Ch. Chetia to carry on the programme.

In his welcome speech the Principal of the college and also the President of the inaugural session focused on teaching as a challenging job and emphasized on the necessity of the use of ICT in Pedagogy and Innovation in teaching technique as well.

The President requested the inaugurator Dr. Hemanta Kr. Boruah to inaugurate the programme with an inspiring speech. In his short speech Dr. Hemanta Kr. Boruah emphasized that the traditional teaching needs to be renovated to keep pace with changing circumstances. This was followed by the orientation of the programme by Dr. Swapnarani Bora who acquainted the participants with the true nature of the programme. After giving a brief idea about the course, she expressed that apart from API, the course is needed to cope up with the 21st Century teaching. The inaugural session concluded with a brief introduction of the participants.

The first technical sessional started at 11:15 a.m. by Dr. Swarnalata Das who talked on the qualities of an effective teacher. The session was highly interactive as the participants expressed the opinions based on their experience.

The second session was an Activity by Dr. Swapnarani Bora which started at 1:45 p.m. It was on screen casting, google classroom and e-resource repository.

The last session of the day was conducted by Dr. Swarnalata Das, at 3: 30 p.m. who discussed with the participants on the role of teacher in the society. She also covered issues related to students, social structure and the role of education sector.

19th February, 2019

For the second day of the programme two resource persons were invited   Dr. Neeta Kalita Boruah from Dibrugarh University and Dr. Sarat Saharia from Tezpur University, Dr. Neeta Kalita Boruah

took the first two sessions on constructivism and teaching pedagogy and learner-centric approaches respectively. In the first session she acquainted the participants with the theory of constructivism and laid emphasis on its application in Higher Education. In the second session she discussed with the participants the importance of learner centre approach in our contemporary context

The third and fourth session was conducted by Dr. Sarat Saharia on the topics "ICT based Teaching and Learning" and "ICT based Teaching, Learning and Evaluation" respectively. In the first session he discussed the importance of ICT in teaching, education technology and web 2.0 support technologies. In the second session he acquainted the participants with Google Classroom, Google Form and Cam Studio.

20th February, 2019

Session 1 (9:30 a.m.): This session was conducted by Mr. Sonit Jyoti Saikia, a theatre activist who took up the issue of drama as innovative pedagogy. He practised with the participants how teaching can be made effective by involving drama or dramatic action.

The second and the third session was conducted by Dr. Manabendra Mandal from Tezpur University who discussed the issue fo "Role of Teachers in Institution Building" and "Student Support "respectively. He interacted with the participants on various issues related to the topics and also shared his own experience.

The fourth session was an activity session by Dr. Swapnarani Bora who reviewed the screen casting videos submitted by the participants.

21st February, 2019

To conduct the fourth day of the programme we had invited Dr. Manashree Gogoi and Dr. Mukut Hazarika from Dibrugarh University. Dr. Manashee Gogoi took the first and fourth session on the topics "Blended Larning and Flipped Classroom" and "Test Construction" respectively. She focused on the importance of shift from traditional teaching to online learning and their blending as well. She also gave an activity on test construction by evaluating the previous year question papers.

The second and the third session was conducted by Dr. Mukut Hazarika who talked on "Collaboration and cooperative learning" and "Assessment of Learning and Question Paper Setting". He made the third session activity based in order to show the process of paper setting.

22nd February, 2019

The first two sessions on 22nd February, 2019 were conducted by Dr. Daisy Bora from Dibrugarh University on the topic "Empowering Teachers-I" and "Empowering Teachers-II" respectively. In the first session she discussed the issues of Students Research and discrimination of research along with different forms of teacher empowerment. In the second session she took up the issues of inclusivity in classroom and understanding gender, and gender sensitivity.

The third and fourth session was conducted by Dr. Pranjal Burahgohain on the topics of "effective Classroom Management" and "Empowering Teachers-III" respectively. He made his both sessions interactive and took up the issues of critical thinking, scientific temper and the teaching that strengthens executive function network.

23rd February, 2019

The first session was Activity by Dr. Swapnarani Bora who reviewed the screen casting videos submitted by the participants, and also talked on the uses of e-resources.

The second session was taken by Dr. R.R.Hoque from Tezpur University who first acquainted the participants with the issues of environment and sustainability and then carried on a discussion with the participants on healthy environment.

The third session was conducted by Dr. Biren Das, the Registrar of Tezpur University who took up the topic of "Best Practices in Higher Education". The session was interactive as Dr. Das, after speaking on the concept, asked the participants to share some good practices in their respective colleges.

The last session was Valedictory which was chaired by Dr. Biman Chandra Chetia, the Pricipal of North Lakhimpur College and graced by Dr. Mrinmoy Kr. Sarma, Director of T.L.C., Tezpur University, and Dr. Biren Das, Registrar of Tezpur University.

Dr. Biman Chandra Chetia in his valedictory speech laid important on the relevance of such programmes considering the challenging context of our time. This was followed by opinion of the participants. A large number of participants shared their opinions and expressed desires to attend another such programs by TLC, Tezpur University.

Dr. Biren Das in his speech assured that such programs will definitely be conducted in future. He emphasized on the seriousness of the programmes conducted by TLC. He also requested the participants to join Induction Programme conducted by TLC. at Tezpur University.

The speech of Dr. Das was followed by the distribution of certificates to the participants by Dr. Mrinmoy Kr. Sarma, Dr. Biren Das and Dr. Biman Ch. Chetia. This was followed by the valedictory speech by the Director of TLC., Tezpur University, Dr. Mrinmoy Kr. Sarma. Dr. Sarma congratulated all the participants for successfully completing the programme. He expressed his joy over the 100% attendance of the participants and hoped that the participants had come not only for API, but to be rejuvenated. He shared his experience of teaching and acquainted the participants with the challenges of teaching in future considering the dominance of technology and innovation in contemporary context.

At last, all the participants offered a token of respect and affection to Dr. Swapnarani Bora, the coordinator of the program from T.L.C., Tezpur University, and this was followed by a vote of thank by Dr. Binda Sah, the coordinator of the programme from North Lakhimpur College after which the chairperson, Dr. Biman Ch. Chetia officially declared the end of the programme.

Continuous Activities of TLC

4.1 DEVELOPMENT OF VIDEO RESOURCES

For the development of video resource on academic module TLC, TU initially started experimental e-content development where two of the faculty members, one from EFL and another from Business Administration Department of Tezpur University has given resources in their respective disciplines. After successful completion of experimental e-content development the Centre invited EOI from the in-house faculty members. Altogether 10 proposals had been received and the selection committee (local advisory committee) selected 9 proposals. Following is the brief outline of video resources on academic module:

Sl. No.	Name	Topic	Synopsis	Uploaded on
1.	Dr. Tridib Ranjan Sarma, Associate Professor, Business Administration	Classical EOQ Model	It discusses the basics of classical EOQ model.	March 28, 2018
2.	Prof. Prasanta K Das, EFL	Reading Texts and Subalternity	It discusses the ways of reading in the context of Subalternity. A lot of social science research and even literature is concerned with it.	June 4, 2018
3.	Prof. Chandana Goswami, Business Administration	Introduction to Management	It focuses on Introduction to management principle and development of management.	September 14, 2018
4.	Ms. Karabi Bharadwaj, Assistant Professor, Civil Engineering	Deflection of Beams	It focuses on Deflection of Beam within a structure, permissible limit, various analyzing method for deflection of beams.	September 12, 2018
5.	Prof. Ashok Kumar, Physics	Electrochemical Energy Conversion and Storage	It describes what is energy storage and why do we need it along with different energy conversion storage systems.	October 8, 2018
6.	Dr. R D Padmavathy, Assistant Professor, Education	Student centric Methods of Teaching Mathematics	It discusses about student centred methods of teaching mathematics for promoting mathematical understanding.	October 12, 2018
7.	Dr. Sarat K Doley, Assistant Professor, EFL	Difference between L1 Acquisition and L2 Learning	It describes differences in the initial states, intermediate states and the final states.	November 3, 2018
8.	Dr. Joya Chakraborty, Associate Professor, MCJ	Community Participation	It describes initiatives of participatory development along with level of participation.	November 3, 2018

| 9. | Dr. Amalesh Gope, Assistant Professor, EFL | Acoustic Analysis of Phonemes | It describes analysis of tone using experimental method, acoustic components and data normalization. | December 21, 2018 |
| 10. | Dr. Juri Dutta, Assistant Professor, CAS | The Assamese Alphabets | It describes about the Assamese alphabets for non-native speaker of Assamese | March 14, 2019 |

Apart from that the Centre develops video content from the academic lectures given at its month-long Induction Training of Faculty during 23 November-22 December, 2017 and 06 June-05 July, 2018. Following are the brief descriptions of the video contents:

Sl. No.	Name	Topic	Synopsis	Uploaded on
1.	Dr. Biren Das, Registrar, TU	Administrative Leadership in Higher Education	It discusses administrative structure of Higher Education Institutions in general.	January 25, 2018
2.	Prof. Amar Jyoti Choudhury, Chair Professor, USTM	Contribution of Universities	It focuses on contribution of Universities in the evolution of education system.	March 28, 2018
3.	Prof. Nilima Bhagabati, Education, GU	Micro Teaching & Developing Teaching Skills	It discusses importance of Micro Teaching and skills required for competent teaching in higher education.	March 28, 2018
4.	Prof. Ashish K. Mukherjee, MBBT, TU	Research Proposal & Research Administration	It discusses on writing cutting edge research proposals and qualities thereof.	March 28, 2018
5.	Dr. Nil Ratan Roy, Education, TU	Curriculum Design	It discusses systematic process to design a curriculum.	March 27, 2018
6.	Prof. Charu Lata Mahanta, FET, TU	University's Vision & Mission	It discusses on Vision and Mission of University and strategies to achieve the goal.	February 27, 2018
7.	Prof. B. K. Danta, EFL, TU	The ZBC of Creativity in Higher Education	It presents the concept of creativity and talks about the role it plays in higher education.	August 29, 2018
8.	Prof. S. K. Sinha, CSE, TU	SWAYAM and MOOCs	It discusses about different online learning in SWAYAM platform	August 29, 2018
9.	Prof. D. K. Bhattacharyya, CSE, TU	Target-Specific Innovative Research to Address India's Challenges	It discusses about research proposal and exact deliverable	November 28, 2018
10.	Prof. Mukul K. Sarma, Education, DU	Gestalt Psychology vis-à-vis Teaching and Learning (Part I & II)	It interacts with the learners on Gestalt Psychology from various perspectives and its engagement in teaching learning processes.	March 26, 2019

Along with that some other academic module are developed in the Centre's YouTube channel which are prepared by the participants of Induction Training of Faculty during June 06 – July 05, 2018 & November 26 – December 26, 2081, Innovation and Rejuvenation of Teaching in Higher Education during February 18 – 23, 2019 and lecture given by resource persons at different programs under the Centre.

Sl. No.	Name	Topic	Synopsis	Uploaded on
1.	Dr. Anjuman Borah, Assistant Prof., MCJ, TU	Writing a Press Release	It talks about the concept of press release and structure of writing a press release.	August 16, 2018
2.	Dr. Chittaranjan Nath, Assistant Prof., English, ADP College, Nagaon	Stopping by Woods on a Snowy Evening	It deals with Robert Frost's most famous poem 'Stopping by Woods on a Snowy Evening' and tries to bring forth a new perspective by dealing with an alternative reading of the poem.	August 16, 2018
3.	Dr. Nabajyoti Medhi, Assistant Prof., CSE Dept., TU	Software-Defined Networking and OpenFlow in Brief	It describes about the architecture of Software defined networking, pros and cons of OpenFlow.	September 5, 2018
4.	Dr. Nishant Rachayya Swami Hulle, Assistant Prof., FET, TU	High-Pressure Processing of Milk and Milk Products	In this presentation the author discusses about the application of High pressure processing and its effects on different types of milk products.	September 5, 2018
5.	Talom Taloh, Assistant Prof., Geography, DN College, AP	Map Scale : Representative Fraction (RF)	It focuses on Map Scale with Representation of Fraction.	September 14, 2018
6.	Mr. Bhaskar Jyoti Chutia, Assistant Prof., CSE, RGU, AP	Tokens of 'C' Language	Here discusses about the six smallest individual units called as tokens in a 'C' Program in detail.	September 26, 2018
7.	Dr. Bornali Bhuyan, Head, English, KRB Girls' College, Guwahati	Motivating Undergraduate Learners to acquire Effective Reading Skills	The speaker discusses about different skills of reading irrespective of subject.	August 24, 2018
8.	Amit Baran Das, Assistant Professor, FET, TU	Laugh # Life	It talks about laugh and how it is related to our life.	February 25, 2019
9.	Dr. Apurba Saha, Assistant Professor, SW, TU	Stress Management	It describes about types of stress, identifying stress, different sources and how to manage stress.	February 25, 2019

10.	Dr. Arup Kumar Nath, Assistant Professor, EFL, TU	Language Endangerment	It explains language endangerment along with the worldwide scenario.	February 25, 2019
11.	Ashok Barman, Assistant Professor, Fine Arts & Music, RGU	Dhrupad	It discusses about the origin of Dhrupad music Nature, Alapa, Bandish and Tala.	February 25, 2019
12.	Dr. Banashree Saikia, Assistant Professor, Physics, Nowgong College	Laser and its Principle	It talks about Laser and its Principle along with theory of radiation.	February 25, 2019
13.	Bikram Patir, Assistant Professor, Computer Science, PDUAM	Converting Deterministic Finite Automata to Regular Expressions	It explains about converting Deterministic Finite Automata to Regular Expression using state removal method.	February 25, 2019
14.	Dr. Junali Deka, Assistant Professor, MCJ, TU	Fundamentals of Communication Process	It discusses the process of communication using audio video lecture.	February 25, 2019
15.	Nijara Bharadwaj, Assistant Professor, Botany, PDUAM	Cyanobacteria and its Importance	It explains about Cyanobacteria and its Importance.	February 25, 2019
16.	Pankaj Borah, Assistant Professor, JIST	Solar Photovoltaic (PV) Technology: An Introduction	It discusses about Solar Photovoltaic system, its characteristics and need of solar energy.	February 25, 2019
17.	Dr. Paragmoni Kalita, Assistant Professor, ME, TU	Introduction to Fluids	It explains concept of viscosity, classification of fluids and influence of temperature on viscosity.	March 15, 2019
18.	Rajkumar Raju Singh, Assistant Director, Physical Education, TU	Physical Fitness Components	It discusses about physical fitness and its components.	February 25, 2019
19.	Sandhani Dutta, Assistant Professor, English, LGB Girl's College	Sonnet	It is brief description of a sonnet with special discussion on the Petrarchan sonnet and Shakespearean sonnet.	February 25, 2019
20.	Dr. Saptadeepa Roy, Assistant Professor, Zoology, Jagirod College	Hormones, Types and Mechanism of Action	It talks about Hormones, different types and Mechanism of Action.	February 24, 2019
21.	Dr. Sarangthem Ibotombi Singh, Assistant Professor, CSE, TU	S3 Object-Oriented System in R	It describes about R programming language, terminology and object system in R.	February 24, 2019

22.	Shikha Bhuyan, Assistant Professor, ME, TU	Second Law of Thermodynamics	It explains about Second Law of Thermodynamics along with concept of heat engine, heat pump, refrigerator, PMM II and Carnot engine.	February 24, 2019
23.	Dr. Sushen Kirtania, Assistant Professor, ME, TU	Carbon Nanotube (CNT) - Reinforced Composites: Material of the 21st Century	It talks about Carbon Nanotube (CNT) - Reinforced Composites.	February 24, 2019
24.	Trisha Wangno, Assistant Professor, Govt. College Yachuli	Approaches for Language Attitude Studies	It explains basics of language attitude and its application in several fields such as linguistics, anthropology and sociology.	March 22, 2019
25.	Zahnupriya Kalita, Assistant Professor, ME, TU	Introduction to Mechatronics	It discusses about mechatronics, its elements and microprocessor based spring-mass system.	February 25, 2019
26.	Dr. Dharitri Borgohain, Assistant Professor, Botany, N L College	Hybrid Varieties of Plants	It explains about the process of hybridization, its types and Hybrid Varieties of Plants.	March 20, 2019
27.	Dibyajyoti Hazarika, Assistant Professor, Mathematics, N L College	Konigsberg Bridge Problem	It discusses about the Conigsberg Bridge Problem, an interesting puzzle concept in Mathematics.	March 20, 2019
28.	Dr. Jogen Tamuli, Assistant Professor, Assamese, Madhavdev College	Axamiya Aakharar Matra	It discusses about Script direction of Assamese language along with types of lines in writing the alphabets.	March 27, 2019
29.	Neha Khaitan, Assistant Professor, Don Bosco Institute of Management	Managing Digital Revolution: Creating Future India	It talks about digital revolution, its challenges and the processes of building inclusive digital economies.	March 26, 2019
30.	Dr. Sangeeta Baruah, Assistant Professor, Zoology, North Lakhimpur College	Parasitism	It discusses about different types of parasites, their effects and the relationship between parasites and hosts.	March 27, 2019
31.	Dr. Swapnarani Bora, Assistant Professor, Assamese, TLC, TU	Introduction to Phonology of Assamese	It explains about the basic concepts of Assamese Phonology.	December 04, 2018

All the e-materials have been uploaded in the TLC page and also video resources are uploaded in TLC YouTube channel. The Centre is also in the social media (Facebook).

4.2. ACTION RESEARCH IN EFFECTIVE METHOD OF PEDAGOGY

A short term research on effective method of pedagogy has been carried out since May, 2018. It has been conducted in 4 different departments of the University. Detail report of the completed action research has been uploaded in webpage of the Centre. Following is the brief outline of the short term pedagogical research:

Sl. No.	Title	Department
1.	Effectiveness of Collaborative Learning in Enhancing Academic Achievement in relation to Understanding, Application and Reflection Ability in Sociology of Education at Postgraduate Level	Education
2.	Evaluation of Effectiveness of Innovative Teaching over Conventional Method of Teaching	Environmental Sciences
3.	Coming Together of Theory and Praxis: Applying the Dialogic Model	Social Work
4.	A Comparative study between traditional and a specially designed proposed method of teaching physics to graduate students	Physics

4.3. GENERATION OF E-RESOURCE

TLC is engaged in preparing a repository of e-resources to support and provide the most useful and appropriate resources for easy access to learners and teachers in higher education. The Centre proposes to create a database of resource links of reference services and electronic data bases available over various networks that can be used to support, guide and enhance teaching learning. The resource links shall contain materials about teaching and learning through the link provided by the contributor. Currently there are 49 numbers of e-resources in the repository irrespective of discipline which were done by participants of various programs conducted by the Centre.

Sl. No.	Name	Topic
1.	Anjuman Borah	Participatory Media
2.	Arnab Narayan Patowary	Student's T-Test In Microsoft Excel
3.	Barnalee Bhuyan	Conceptual Understanding Of Philosophy
4.	Bhaskar Jyoti Chutia	How To Add Social Media Share Buttons To E-Contents
5.	Bidisha Borchetia	Principles Or Laws Of Learning
6.	Chiranjiv Chowlek	Lemon Market And Asymmetric Information
7.	Chittaranjan Nath	Tennyson's Ulysses- A Postcolonial Reading
8.	Hans Raj Bhat	Pathophysiology Of Malaria
9.	Henni Rina	Non-Cooperation Movement
10.	Hitesh Sharma	Guidance And Counselling
11.	Jonali Gogoi	An Introduction To R
12.	Jonti Das	Basic Concepts Of Economics
13.	Joyashri Dey	Conceptual Understanding Of System Theory
14.	Jyoti Prasad Saikia	Light Reaction Of Photosynthesis
15.	Kurmendra	Fundamentals Of Digital Signal Processing
16.	Luish Gogoi	Novels Of Dr. Mamoni Roisom Goswami
17.	MahanandaBaro	Hall Effect
18.	Mainao Alina Gayary	Carbohydrates
19.	Mito Riba	History Of Ancient & Medieval India
20.	Mohan Koyu	Renaissance Art And Architecture
21.	Moon Moon Devi	Cosmic Rays
22.	Moushumi Kandali	Concept And Definition Of Popular Culture
23.	Nabajyoti Medhi	Openflow
24.	Neena Choudhury	Basic Concepts In Sociology
25.	Nishant R Swami Hulle	High Pressure Processing (Hpp) Of Food Products
26.	Palakshi Borah	Soil Profile
27.	Pankaj Barah	What Is Cancer?
28.	Piku Doley	Population Education
29.	Pradyumna Kr. Choudhury	Smart Grid

30.	Prakash Rajak	Targeted Drug Delivery Using Nanotechnology In Cancer Therapy
31.	Prayash Baruah	Travelling Salesman Problem
32.	Pritom Doley	Aristotle
33.	Rukunuddin Ahmed	A General Introduction To Borgeet
34.	Sangita Baruah	Animal Ecology
35.	Santanu Maity	Thin Film Solar Cell
36.	Shobhanjana Kalita	Learning Prolog – A Logic Programming Language
37.	Suman Dasgupta	Endocrinology
38.	Talom Taloh	Continental Drift Theory
39.	Arun kumar Sharma	Greek Mythology
40.	Ashfakur Rahman	Capital Budgeting Techniques and Foreign Exchange Market
41.	Binita Devi	Educational Psychology
42.	Bipul Kakati	Assamese Manuscripts
43.	Jalilur Rahman Shaikh	Arabic Literature
44.	Khagen Das	Choosing a Statistical Test
45.	Parag Barman	HDI, Demand and Self Employment
46.	Rajib Lochan Sarma	Crystalography
47.	Rajib Mahanta	Standard Deviation and Variance
48.	Ripima Buzarbaruah	Constitution of India
49.	Shrutidhara Kashyap	Market failure: Concept, Causes, Effects and Corrective measures

Best Practices

Following are some of the practices that are followed in the Centre to make the program successful and to meet the vision.

FACILITATING TEACHER TRAINING IN REMOTE AREAS THROUGH

OUTREACH PROGRAM

STRICT PUNCTUALITY DURING WORKSHOP & 100% ATTENDANCE

IN PROGRAMS

ONLINE SESSION-WISE, RESOURCE PERSON SPECIFIC & OVERALL

FEEDBACK AND

REAL TIME ANALYSIS

HANDBOOK ON RESOURCE PERSONS & PARTICIPANTS

PROPER BALANCE OF LECTURE & ACTIVITY SESSIONS

GENERATING LEARNING MATERIALS AND RESOURCES FOR EASY ACCESS TO

LEARNERS AND TEACHERS

Program Schedule
for the F/Y 2019 – 20

Following is the tentative program schedule for the F / Y 2019 – 20.

Sl. No.	Program	Duration
1.	Induction Training of Faculty	Month long (June-July and Nov-Dec)
2.	Convergence II (Follow-up Program)	1 day
3.	Workshop on Assessment and Evaluation	Weeklong
4.	Workshop on Action Research	1 day
5.	Workshop on ICT in Management of Education	2 days
6.	Workshop for Discipline Specific Curricular Framework Development	1 day
7.	Outreach Program	Weeklong
8.	Workshop on Research Methodology	Weeklong
9.	Refresher Course	3 weeks
10.	Professional Development Program	1 week
11.	Workshop on Process Skill	1 week
12.	Pedagogical Research	Continuous
13.	E-Module development	Continuous
14.	E-content Development	Continuous
15.	Compilation of E-Resource Support	Continuous

Teaching Learning Centre
Tezpur University

Napaam, Tezpur – 784 028, Assam
Phone: +91 3712275680/81
E-mail: tlc@tezu.ernet.in
Web: www.tezu.ernet.in/tlc/