Channabasaveshwara Institute of Technology

(Affiliated to VTU, Belgaum & Approved by AICTE, New Delhi)
(ISO 9001:2015 Certified Institution)
NH 206 (B.H. Road), Gubbi, Tumkur – 572 216. Karnataka.

Partnering in Academic Excellence

C.I.T

MENTORING SUPPORT FOR PERFORMANCE IMPROVEMENT

DATE: 13/10/2023

CHANNABASAVESHWARA INSTITUTE OF TECHNOLOGY affiliated to Visvesvaraya Technological University, Belagavi. The College has grown from strength to strength in the last 20 years and progressing towards Excellence in Engineering Education, Research and Development The institution is offering graduation, Post-Graduation and Research programmes to the students from the rural as well as urban backgrounds of Karnataka. **Majority of the students are from the rural background and also represents the middle or lower middle class social environment.**

The ultimate aim of the programmes in the Institution is to enable all students to be equipped and competent to face the challenges of the life and contribute to the social development through the critical reflection and academic achievements. This is possible through the process of making the academics more vibrant and competent for the advanced learners and also by supporting the slow learners to achieve more in their academics and personal life. In every academic programme there will be some students who can do really well and learn more with the comprehension capacity, retention ability and hard working practices. On the other side some students may find disadvantage in their learning process due to various personal or systemic reasons. In both these situations the students need special attention and interventions to make their learning activity more enriching and effective.

A) MENTORING SUPPORT FOR NEEDY STUDENTS:

They are always the poor achievers and lag behind with the academic life. They may fail in exams or will score only poor grades. They will find it difficult to understand the lessons and may have difficulties in their comprehension, retention, reproduction and integration. They may fail in articulations and critical reflections. Their motivation levels also may be poor and may find it difficult to adjust with the teaching learning process and can drop out or fail in the programme. The poor performance may not be a sign of the poor capacity or talent but may be due to inappropriate teaching methods, poor family situations, inadequate motivations and supports, unscientific learning practices or even the inability to communicate in English.

B) METHODS OF ASSESSMENT:

The students can be assessed to identify their learning levels by different mechanisms. The merit in the qualifying examinations, Competitive entrance examinations, and the performance in the initial stage of the programme including the bridge programme and orientations assessed through the qualitative methods can be taken as indicators of their achievement as they get admitted to the programme in the Institution. This level can be set as the benchmark of the student.

Subsequently they can be assessed continuously through the Visvesvaraya Technological University, Semester End Examination (SEE) results (Visweswaraya Technological University) at various levels and stages, their performances in the extra - curricular and Co-curricular activities throughout the programme. The assessment procedure can be a statistical process of distincting students who are in need of mentoring.

Channabasaveshwara Institute of Technology, Gubbi follows simple yardstick to identify such students who need **Mentoring** based on their performance in University Examinations as they are the foundation for their progress in academics.

<div align="center">TABLE 1: ASSESSMENT ADOPTED FOR MENTORING</div>

Sl. No	STUDENTS (YEAR)	GUIDELINES
		STUDENTS IN NEED OF MENTORING
01	FIRST YEAR (I SEMESTER)	Orientation + Qualifying Exams Cut-off marks
02	FIRST YEAR (II SEMESTER)	1st year students with backlog subject credits totalling – 8 and above (After the Revaluation results are announced)
03	FOR STUDENTS FROM II YEAR to IV YEAR	Backlogs more than 30% of their total appeared courses (For example: A student who enters V semester has written exams upto IV semester totaling 4*8 =32 Courses. If the student has more than or equal to 30% of 32 which is 10 (Rounded off to nearest integer ON THE HIGHER SIDE) he is considered to be an student in need of Mentoring The calculation and identification process starts only after the REVALUATION RESULTS ARE PUBLISHED

C) 1st YEAR STUDENTS - DETENTION FORECAST AND PREVENTIVE MEASURES:

To create an Platform for one to one discussion with Director / HODs /Deans / Proctors and Students, In order to discuss preventive measures for 1st Year Students with Backlog Subject Credits - 8 & above was organized at Vivekananda Auditorium, MC – Block on 28/08/2023 between 12:30 PM to 2:30 PM.

C1) DISCUSSIONS AND DELIBERATIONS:

1. Dr Shivaprakash M C - Dean (Examination), welcomed the Director, Deans, HODs, Proctors, other staff members and I/II Semester Students for the meeting.
2. Total No. of Proctors attending the Meeting : 11
3. Total No. of Students with backlog credits - 8 & above : 62
4. Total No. of Students attending the meeting : 56
5. Discussed about Importance of the meeting
6. Platform for ONE to ONE discussion/councelling was arranged @ two venues
    Venue-1: CSE, ISE, AI & DS, CV Departments headed by Director, Dean (Admin), Chief Proctor and other staff members.
    Venue-2: ECE, EEE Departments headed by Dean (Academics) & Dean (Examination)
7. Discussed about problems faced and reasons for backlogs from students.
8. Discussed about preventive measures against detention.

TABLE 2: THE FOLLOWING RESOLUTIONS WERE FINALIZED AFTER HAVING DETAILED DISCUSSIONS AND DELIBERATIONS
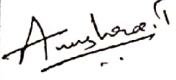
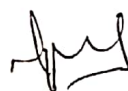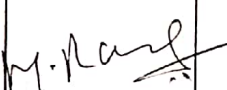| Sl. No	Departments	Attribute	Resolutions
01	CSE	Most of the students of CSE stream conveyed their difficulty @ understanding Mathematics – I (04 credits)	1. It is decided to conduct remedial classes for all students of I/II Semester who are having backlog subject credits – 8 & above.
02	ISE	ISE stream students conveyed difficulties @ Introduction to Python Programming (03 credits)	2. Remedial classes must be planned well in advance immediately after II Internals for subjects with credits 3 & above.
03	AI & DS	AI&DS stream students found difficulty @ Introduction to 'C' Programming (03 credits)	3. In_House Subject Experts must be identified & Time Table to be framed suitably.
04	ECE	ECE stream students conveyed difficulties faced @ Basic Electronics (03 credits)	4. In_House Subject Experts must prepare short & precise notes, Question Bank w.r.t subjects: Basic Electronics, 'C' Programming & Python Programming.
05	EEE	EEE stream students attributed to need of short notes w.r.t subjects Basic Electronics, 'C' Programming & Python Programming	
06	CV	CV stream students requested for precise notes from subject experts	5. Attending remedial classes is compulsory, Individual proctors must monitor attendance & progress of their students from time to time.
07	ME	ME stream students requested for classes on fundamentals of Differentiation and Integration	6. As a need of the hour, In view of Proximity of Exams, An brush up program on 1st Sem Mathematics (Covering at least 3 easy modules) in fast mode to be arranged from experts

TABLE 3: DETAILS OF REMEDIAL CLASSES, TOPICS COVERED & NO. OF STUDENTS ATTENDED

Sl.No	Date	Time	In_House Subject Experts	Topics Covered	No. of Students
01	07/09/2023 (Thursday)	09:00 to 11:00 11:15 to 01:15 02:00 to 04:00	**Dr. UMADEVI R** Asst. Professor, Dept. of Mathematics **Mr. PRASHANTH KUMAR S** Asst. Professor, Dept. of Mathematics	1. Rank of Matrix, consistency, Gauss elimination & Gauss Jordan methods, Gauss Seidel method, Rayleigh power method. 2. Polar curves, Angle b/w radius vector & tangent, pedal equations-problems, curvature & radius of curvature in Cartesian & polar forms-problems. 3. Maclaurins series, Jacobians, Partial differentiation.	40
02	08/09/2023 (Friday)	09:00 to 11:00 11:15 to 01:15 02:00 to 04:00	**Mr. MALTESH BAJANTHRI** Asst. Professor, Dept. of ECE **Mr. HARSHA G** Asst. Professor, Dept. of ECE	1. Power supply, Rectifiers, Voltage regulators 2. Operational Amplifiers 3. Boolean Algebra & logic circuits 4. Embedded systems 5. Microprocessors v/s Microcontrollers. 6. Instrumentation & Transducers 7. Seven-Segment LED display	41
03	09/09/2023 (Saturday)	09:00 to 11:00 11:15 to 01:15	**Mrs. TEJASWINI S** Asst. Professor, Dept. of AI & DS	1. Python Basics, Data Types, Variables 2. String Concatenation & replication 3. Flow control & Functions 4. Local & Global Slope 5. Exceptions Handling 6. Manipulating strings	40
04	11/09/2023 (Monday)	09:00 to 11:00 11:15 to 01:15 02:00 to 04:00	**Mr. DHARANESH KUMAR M L** Asst. Professor, Dept. of CSE	1. Introduction to Computers. 2. Introduction to 'C' 3. Input/Output Statements in 'C' 4. Operators in 'C' 5. Type conversions, Decision controls, conditional branching, Iterative statements 6. Functions, Arrays, Introduction to Structures	40

The Performance Improvement of these 1st Year Students will be analyzed & updated only after the **REVALUATION RESULTS ARE PUBLISHED**

TABLE 4: PERFORMANCE IMPROVEMENT OF STUDENTS (II YEAR TO IV YEAR) WITH BACKLOGS MORE THAN 30% OF THEIR TOTAL APPEARED COURSES

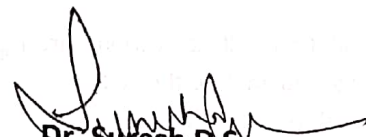| Sl. No	USN	Name	No. of Backlogs	Support extended while Mentoring	Performance Improvement / Evidence of progress after Mentoring	Proctors Name & Signature
01	1CG21EC068	NAVEEN KUMAR N	10	Notes & Important Questions are made available. worked on students writing skills & suggested few areas of Improvement.	Student improved his writing skills & **Cleared 05 Backlog subjects** during Feb 2023 University Examinations . **Evidence: VTU Result Sheet**	Mrs. ANUSHREE T
02	1CG20EC039	POOJA SHREE V S	10	Self Study material, Quizzes, Notes, PPTs, Videos, Question Papers are made available. Personal Councelling sessions are conducted to analyze the strengths and weakness of students, It is found student has to improve hand writing and Technical writing skills.	Student has worked on her Hand writing & Improved her Technical writing skills resulting in **clearing 05 Backlog Subjects** during Feb 2023 VTU Exams. **Evidence: VTU Result Sheet**	Mr. MALTESH BHAJANTHRI T B
03	1CG18EC033	JYOTHI V	13	Notes, PPTs, Quizzes, Question Papers, Short Notes, Important formulas, case studies, other memory techniques are made available to student. Moral Councelling & Memory Enhancing Techniques are imparted regularly to student by Proctor	Student has shown improvement by **clearing all 13 Backlog Subjects** during July 2022 & Jan 2023 University Examination. **Evidence: VTU Result Sheet**	Mr. MANOHARA T N
04	1CG20IS021	HALIKA H K	07	Short Notes, Formula List, Previous year Question Papers are made available to student. Written exam councelling & Personal Councelling sessions are conducted to analyze the strengths and weakness of students, It is found student lack Technical writing skills.	Student has shown improvement by **clearing 06 Backlog Subjects** during July 2022 University Examination. **Evidence: VTU Result Sheet**	Mr. PRAVEEN KUMAR K C
05	1CG20CV022	SUDARSHAN K	08	Remedial Classes were organized with study material. Short Notes, Formula List, Previous year Question Papers are made available to student. Personal Councelling sessions are conducted to analyze the strengths and weakness of student. It was found that student addicted more to social media, student lack Technical writing skills.	After regular monitoring from time to time, Student has shown improvement by **clearing all 08 Backlog Subjects** during Feb 2023 University Examination. **Evidence: VTU Result Sheet**	Mr. THEJESH T N

Sl. No	USN	Name	No. of Backlogs	Support extended while Mentoring	Performance Improvement / Evidence of progress after Mentoring	Proctors Name & Signature
06	1CG20CV027	VARUN G S	08	Remedial Classes were organized with study material: Notes, PPTs, Videos, Question Papers are made available. Writing exam Councelling sessions are conducted by Proctor to Improve mode of answering at exams.	Student has shown improvement by **clearing 06 Backlog Subjects** during Feb 2023 University Examination. **Evidence: VTU Result Sheet**	**Mr. THEJESH T N**
07	1CG21ME438	YATHINATH K G	07	Notes, PPTs, Quizzes, Question Papers, Short Notes, Important formulas, case studies, other memory techniques are made available to student. Moral Councelling & Memory Enhancing Techniques are imparted regularly to student by Proctor	Student has shown improvement by **clearing 06 Backlog Subjects** during Jan 2023 University Examination. **Evidence: VTU Result Sheet**	**Dr. KIRAN GOWDA M R**
08	1CG21ME412	MOHAN P L	06	Short Notes, Formula List, Previous year Question Papers are made available to student. Writing exam Councelling sessions are conducted by Proctor to Improve mode of answering at exams.	Student has shown improvement by **clearing all 06 Backlog Subjects** during Jan/Feb 2023 University Examination. **Evidence: VTU Result Sheet**	**Dr. NAGESH S B**
09	1CG21ME433	VENKATESH P	06	Self Study material, Quizzes, Notes, PPTs, Videos, Question Papers are made available. Personal Councelling sessions are conducted to analyze the strengths and weakness of students, It is .found student has addicted to social media & lack Technical writing skills.	Student has shown improvement by **clearing 05 Backlog Subjects** during Jan/Feb 2023 University Examination. **Evidence: VTU Result Sheet**	**Dr. KIRAN GOWDA M R**
10	1CG18EE025	KAVYA K H	04	Extra Classes were organized with study material: Notes, PPTs, Videos, Question Papers are made available. Writing exam Councelling sessions are conducted by Proctor to Improve mode of answering at exams.	Student has shown improvement by **clearing all 04 Backlog Subjects with First Class** during Jan/Feb 2021 University Examination. **Evidence: VTU Result Sheet**	

Prepared By:

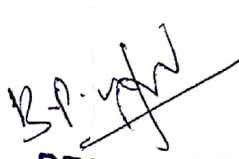**Mr. Vagoesh V K**
(Proctorial Committee Member)

Verified By:

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(Chief Proctor)

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(Chairman-IQAC)
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