

### CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT, ODISHA

## Note on transformation from manual method to automation of examination system.

The Examination & Quality Assurance cell (E&QA) has been continuously carrying out reforms in its examination procedure through integration of IT in the procedures and processes of the examination system. Tools of information technology are utilized for most of the activities associated with the conduct of examinations, evaluation and declaration of results. Examination procedure has been completely automated using ERP & EMS system.

There has been an evolution in technology from time to time to automate the examination system to have less human intervention and a technology driven system. This significantly minimizes human errors and facilitates accurate calculations of SGPA, CGPA and grades of students.

Examination system in CUTM has gone through different phases of transformation during its journey from 2011 to till date. A brief account of the same is given as under:

## 2011-2013

During the initial stage i.e. in 2011-2013, University used a standalone system where the examination processes were carried out centrally starting from subject registration to result publication. However, the internal marks were consolidated at the campus level in an excel mark format and sent to E&QA for further processing of results.

### **2013 onwards**

In the year 2013, both EMS & ERP system was introduced to streamline the examination and academic tasks. In this phase some of the examination process were decentralised and delegated to campus examination cells. The different processes carried out through ERP at the campus level are:

- Subject Registration
- Examination Registration based on University Regulation
- Exam Schedule Import
- Admit Card generation
- Signature Sheet & Sitting plan
- Exam Attendance & MP Record
- Assignment Upload
- Internal Mark Capture
- Result Publication
- Semester wise Transcript at student login



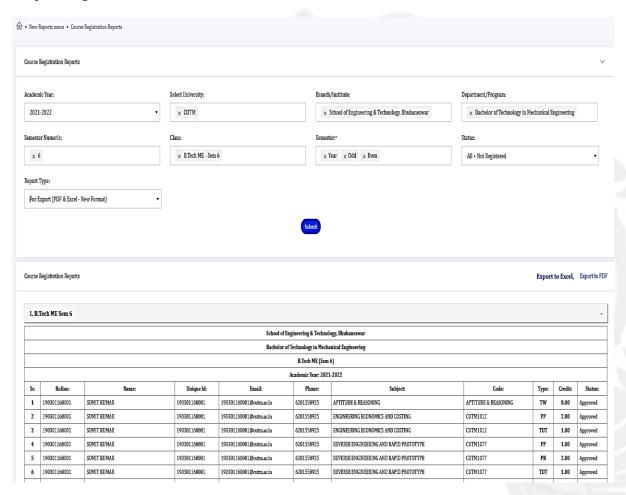
EMS is used centrally for the following activities:

- Maintaining Syllabus / Subject repository
- Capturing student details subject registration, examination registration etc.
- Receiving & masking of answer-books, generation of mark foils
- Processing of results double mark entry, receipt of internal mark, defining grade set and processing result
- Maintaining and updating result records on real time
- Generation of academic transcripts

The EMS system is accommodative to the reforms in procedures, processes adopted by the University from time to time with regard to internal and end semester evaluation.

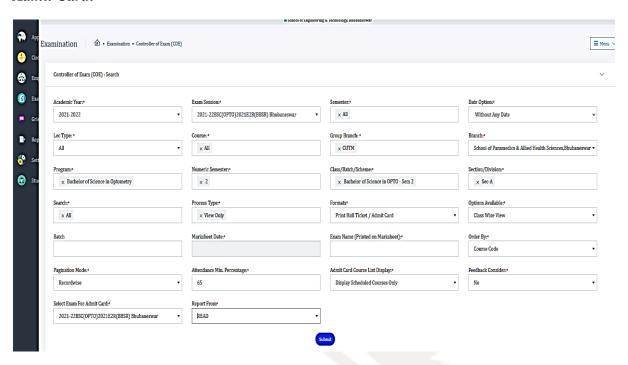
### Few of the relevant screen-shots are given below:

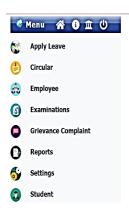
### Subject Registration

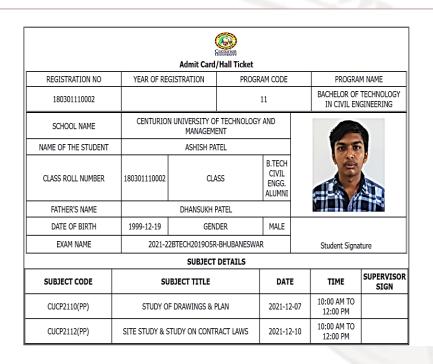




#### Admit Card:

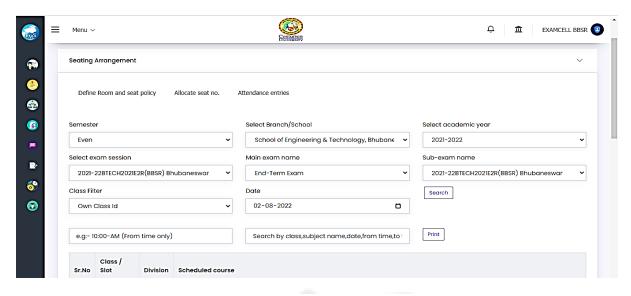




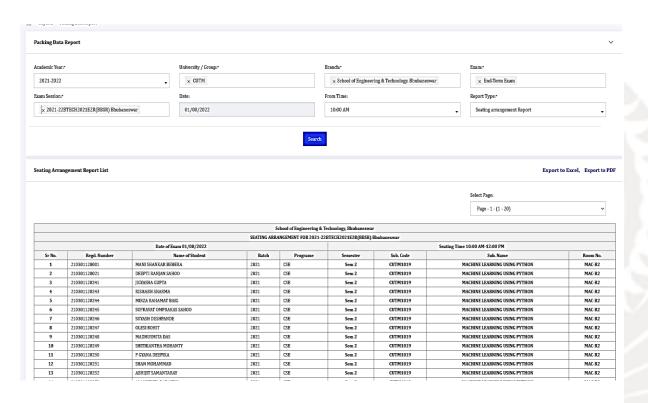




# Signature Sheet Report



#### Sitting Plan Report:





### **Internal Examination Mark Report**

All Reports    Examination Reports			=1
Examination Reports			
Academic Year.*	Exam Session:*	University/Group:*	Branch:*
2021-2022	× All	× CUTM	$_{\times}$ School of Engineering & Technology, Bhubaneswar
Departments:*	Numeric Semester:*	Class:*	Division:*
× Mechanical Engineering	× 5	× B.Tech ME - Sem 5	× Sec-A
Course:*	Batch:*	Exam Type:*	Sub Exam Type:
× All	× All	× Internal Exam	k All
Report Type:	Filter:*	Class Filter:•	Student Filter:
Internal Examwise Report(without scheme)	Without Formula	▼ Own Class	▼ All Students ▼
Student Status:*	Order By*	Server Option*	Report Display *
$\times$ Active $\times$ Branch $\times$ Regular $\times$ Active Recent	Rollno	▼ READ	▼ Class wise ▼

Sr. Student Adm No. Rolls	Rollno	Enrollno / PRN		-2.	t-i (deoc0391) (tut - 2.00)		2.00)							Cylindr Compor	ical & P ients (c 4.0	,				rismatic : icm2151 0)	Shape ) (tut -	Cnc Machining (cucm21 - 6.00)		00)			Cnc Machining (cucm2152) ( - 2.00)				
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1 SUMIT KUMAR	190301160001	190301160001	ı	23.00	25.00	23.00	25.00	7.00	7.50	2.50	2.50	2.50	2.50	12.00	12.50	45.00	50.00	45.00	50.00	23.00	25.00	23.00	25.00	45.00	50.00	45.00	50.00	22.00	25.00	22.00	25.00
2 TUSHAR KANTA PRADHAN	190301160002	190301160002	2	24.00	25.00	24.00	25.00	6.50	7.50	2.50	2.50	1.00	2.50	10.00	12.50	42.00	50.00	42.00	50.00	23.00	25.00	23.00	25.00	45.00	50.00	45.00	50.00	21.00	25.00	21.00	25.00
3 SAMRESH MAHTO	190301160003	190301160003	3	23.00	25.00	23.00	25.00	7.00	7.50	2.50	2.50	2.50	2.50	12.00	12.50	40.00	50.00	40.00	50.00	20.00	25.00	20.00	25.00	40.00	50.00	40.00	50.00	20.00	25.00	20.00	25.00
RAUNAK KUMA	R 190301160004	190301160004	1	24.00	25.00	24.00	25.00	6.50	7.50	2.50	2.50	2.50	2.50	11.50	12.50	40.00	50.00	40.00	50.00	20.00	25.00	20.00	25.00	40.00	50.00	40.00	50.00	21.00	25.00	21.00	25.00
SOMNATH KUMAR	190301160005	19030116000	5	23.00	25.00	23.00	25.00	6.50	7.50	2.50	2.50	2.00	2.50	11.00	12.50	45.00	50.00	45.00	50.00	23.00	25.00	23.00	25.00	45.00	50.00	45.00	50.00	23.00	25.00	23.00	25.00
SOUMYA RANJAN RANA	190301160006	19030116000	5	24.00	25.00	24.00	25.00	7.00	7.50	2.50	2.50	2.50	2.50	12.00	12.50	40.00	50.00	40.00	50.00	20.00	25.00	20.00	25.00	42.00	50.00	42.00	50.00	20.00	25.00	20.00	25.00
SARAS RAM DASH	190301160007	7 190301160007	,	24.00	25.00	24.00	25.00	7.00	7.50	2.50	2.50	2.50	2.50	12.00	12.50	41.00	50.00	41.00	50.00	20.00	25.00	20.00	25.00	42.00	50.00	42.00	50.00	20.00	25.00	20.00	25.00
PRATIK PRIYADARSHI	190301160008	3 190301160008	3	23.00	25.00	23.00	25.00	7.00	7.50	2.50	2.50	2.00	2.50	11.50	12.50	45.00	50.00	45.00	50.00	23.00	25.00	23.00	25.00	45.00	50.00	45.00	50.00	22.00	25.00	22.00	25.00
9 LABA KUMAR	190301160009	190301160009	9	23.00	25.00	23.00	25.00		7.50		2.50		2.50	0	12.50		50.00	0	50.00		25.00	0	25.00		50.00	0	50.00		25.00	0	25.00
SUBHENDU Sekhar Barah	190301160011	190301160011	1		25.00	0	25.00	6.50	7.50	2.50	2.50	2.00	2.50	11.00	12.50	41.00	50.00	41.00	50.00	21.00	25.00	21.00	25.00	40.00	50.00	40.00	50.00	20.00	25.00	20.00	25.00
PRADYUMNA KUMAR DAS	190301160012	190301160012	2	23.00	25.00	23.00	25.00		7.50		2.50		2.50	0	12.50		50.00	0	50.00		25.00	0	25.00		50.00	0	50.00		25.00	0	25.00
2 TASLEEM KHAN	190301160013	190301160013	3	23.00	25.00	23.00	25.00		7.50		2.50		2.50	0	12.50		50.00	0	50.00		25.00	0	25.00		50.00	0	50.00		25.00	0	25.00
3 Subhajeet	190301160014	190301160014	1	23.00	25.00		25.00		7.50		2.50		2.50	0	12.50		50.00	0	50.00		25.00	0	25.00		50.00	0	50.00		25.00	0	25.00
4 ROSHAN RAJ	190301160016	190301160016	6	23.00	25.00	23.00	25.00		7.50		2.50		2.50	0	12.50		50.00	0	50.00		25.00	0	25.00		50.00	0	50.00		25.00	0	25.00
5 AAMIR SOHAIL	190301160017	7 190301160017	,	23.00	25.00	23.00	25.00		7.50		2.50		2.50	0	12.50		50.00	0	50.00		25.00	0	25.00		50.00	0	50.00		25.00	0	25.00
ARRKADITYA Nayak	190301160018	190301160018	В	23.00	25.00	23.00	25.00		7.50		2.50		2.50	0	12.50		50.00	0	50.00		25.00	0	25.00		50.00	0	50.00		25.00	0	25.00
7 SHIVAM SAGAR MOHANTY	190301160019	190301160019	9	21.00	25.00	21.00	25.00		7.50		2.50		2.50	0	12.50		50.00	0	50.00		25.00	0	25.00		50.00	0	50.00		25.00	0	25.00
SUBHRADEEP CHATTERJEE	190301160020	190301160020	0	24.00	25.00	24.00	25.00		7.50		2.50		2.50	0	12.50		50.00	0	50.00		25.00	0	25.00		50.00	0	50.00		25.00	0	25.00
9 MD ASIF JAMAL	190301160021	190301160021	1	23.00	25.00	23.00	25.00		7.50		2.50		2.50	0	12.50		50.00	0	50.00		25.00	0	25.00		50.00	0	50.00		25.00	0	25.00
O M. RITVIK	190301161023	190301161023	3		25.00	0	25.00		7.50		2.50		2.50	0	12.50		50.00	0	50.00		25.00	0	25.00		50.00	0	50.00		25.00	0	25.00
1 CHINMAY DE	_	190301161024	_		25.00	0	25.00		7.50		2.50		2.50	0	12.50		50.00	0	50.00	_	25.00	0	25.00		50.00	0	50.00		25.00	0	25.00
2 HRITHIK PATRA	190301161025	190301161025	5		25.00	0	25.00		7.50		2.50		2.50	0	12.50		50.00	0	50.00		25.00	0	25.00		50.00	0	50.00		25.00	0	25.00
MADHAV 3 SHASWAT	400204474027	5 190301161026			25.00	0	25.00		7.50		2.50		2.50	0	12.50		50.00	0	50.00		25.00	0	25.00		50.00	0	50.00		25.00	0	25.00



# **Answer Booklet Tagging through Barcodes**

MS > User & Role Course Examination Evaluation Result Certificate Reports Result Report Import & Export Unregistere	d College Reports +
	AB Barcode Tagging
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	Registration no : 2004/99120082 Search
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	18 200409120079 21207188
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### **External Mark Entry:**

	Mark Entry
Exam Name:	2021-22BBA2020O3R
Subject:	CUTM1218 - HUMAN RESOURCE MANAGEM
College:	School of Management, Bhubaneswar
Subject Type:	THEORY V
Rack Code:	001-CUTM1218-2021-22BBA2020O3R
Rack Code Status:	TAGGING VERIFIED
Marks	
S.No. Barcode	Max Marks
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2 21205430	
3 21205431	
4 21205432	
5 21205433	
6 21205434	
7 21205436	
7 21205436	



### **Grading System:**

Exam Name: 2017-18MBA(ABM)2017E2R

MBA(ABM) Program:

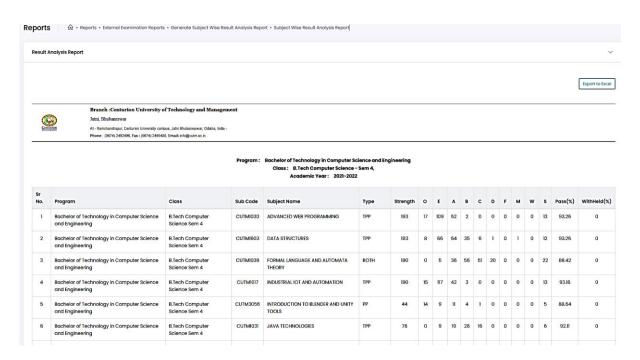
Term: 2

Grading Absolute

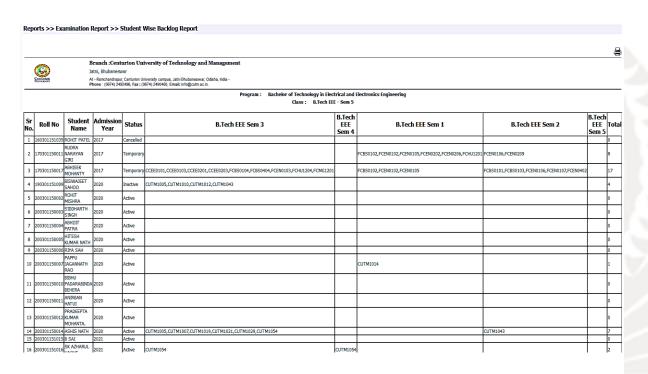
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2	170202140004	ABM	MBDM1202	OPERATION RESEARCH	Theory	NA	0	null	0	0	0	S
3	170202140007	ABM	MBDM1202	OPERATION RESEARCH	Theory	NA	0	null	0	0	0	S
4	170202140001	ABM	MBDM1202	OPERATION RESEARCH	Theory	18009967	45	25	70	0	70	A
5	170202140006	ABM	MBDM1202	OPERATION RESEARCH	Theory	18009971	46	29	75	0	75	A
6	170202140005	ABM	MBDM1202	OPERATION RESEARCH	Theory	18009970	45	30	75	0	75	A
7	170202140003	ABM	MBDM1202	OPERATION RESEARCH	Theory	18009969	46	31	77	0	77	A
8	170202140002	ABM	MBDM1202	OPERATION RESEARCH	Theory	18009968	50	33	83	0	83	E
9	170202140004	ABM	MGAM1201	RESEARCH METHODS	Theory	NA	0	null	0	0	0	S
10	170202140008	ABM	MGAM1201	RESEARCH METHODS	Theory	NA	0	null	0	0	0	S
11	170202140007	ABM	MGAM1201	RESEARCH METHODS	Theory	NA	0	null	0	0	0	S
12	170202140001	ABM	MGAM1201	RESEARCH METHODS	Theory	18024086	27	26	53	0	53	C
13	170202140006	ABM	MGAM1201	RESEARCH METHODS	Theory	18024090	42	31	73	0	73	;;
14	170202140003	ABM	MGAM1201	RESEARCH METHODS	Theory	18024088	49	24	73	0	73	Ÿ
15	170202140002	ABM	MGAM1201	RESEARCH METHODS	Theory	18024087	48	30	78	0	78	A
16	170202140005	ABM	MGAM1201	RESEARCH METHODS	Theory	18024089	50	32	82	0	82	+
17	170202140007	ABM	MGAM1202	SOCIETAL ANALYSIS & RURAL INSTITUTIONS	Theory	NA	0	null	0	0	0	S
18	170202140008	ABM	MGAM1202	SOCIETAL ANALYSIS & RURAL INSTITUTIONS	Theory	NA	0	null	0	0	0	-
19	170202140004	ABM	MGAM1202	SOCIETAL ANALYSIS & RURAL INSTITUTIONS	Theory	NA	0	null	0	0	0	S
20	170202140001	ABM	MGAM1202	SOCIETAL ANALYSIS & RURAL INSTITUTIONS	Theory	18024081	30	19	49	0	49	D



#### Result Analysis Report:



#### Student Wise Backlog Report:





### **Academic Transcript:**

