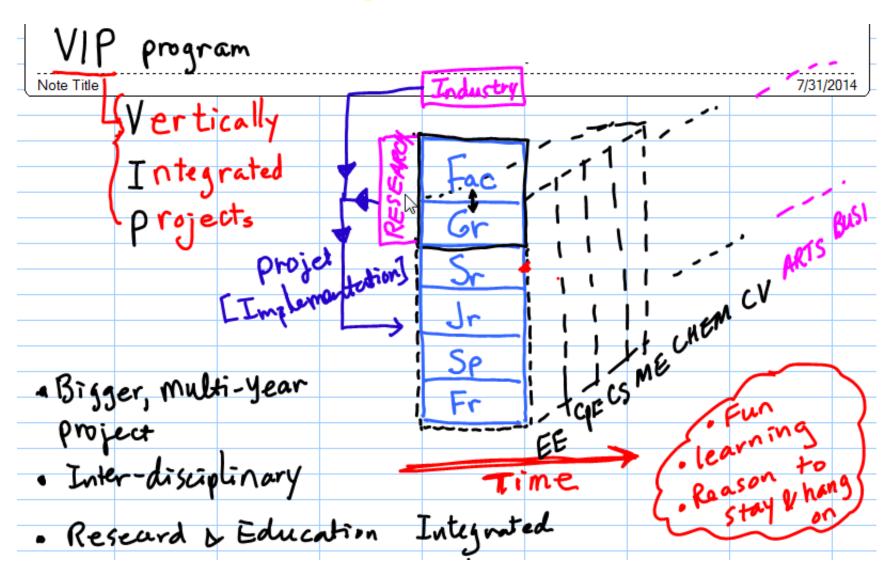
VIP and Teamwork

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www.MWFTR.com/SD.html

VIP Program - Essence



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Key Elements of VIP

Long Term – not limited • by a summer or a semester **Enough time to master** ulletſime professional skills and to make technical contributions Large scale **Multidisciplinary Real Problem** solving

Context

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- Crossing boundaries: Faculty>Grad student>Sr>Jr
- Upward leadership/resp onsibility role

Mentoring

VIP Teams

- 3 Existing projects
 - Slate8
 - Intruder
 - UCC
- 4 Possible new projects
 - Ms. Inami Oakley: Golden Snitch
 - Dr. Marcus Alfred: HU Radio Telescope
 - Dr. Rubaai (with Mr. Carlton Blue): Flexible Inverter Today
 - Dr. Anderson: Prosthetic Arm: Today
- Team member Resources
 - 14 ECE Students
 - 20+ EGPP students
 - X former team members of existing teams
 - Y new recruits









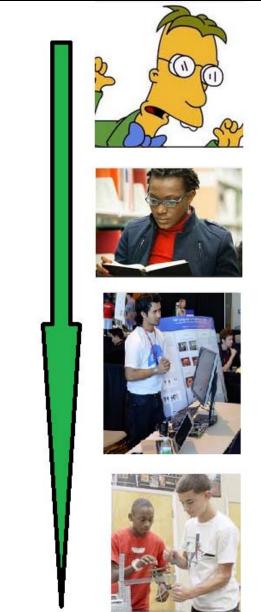
VIP Teams – Mentoring & Leadership

Leadership

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Vertical Mentoring

- Faculty Advisor
- A graduate student
- Senior Students --- Leadership role
- Underclass students
- Multidisciplinary



VIP Team Meetings and Activities

• Weekly meeting

- Tasks are defined
- Each task assigned
- Each task performed individually or in sub-groups
- Project Note (Each participant):
 - Write every activities: search. Research, findings, designs, etc
 - Grading point --- Composition note
- Team webpage



Schedule and Tasks

- Team Formation
 - Number of ECE Senior students in a team: 2
 - Each Team will have 3 4 EGPP students
 - Each team recruits other students (especially <u>former</u> <u>underclass students</u>)
 - A faculty advisor (and a graduate student) will be introduced
- W September 16
 - Submit 3 choices
- Week of Sept 21 26: First Team Meeting
 - Contact former team members for info
 - Ask for project binder
 - Ask for parts, components, codes, etc

Teamwork and Leadership



• This is specifically for Senior Students

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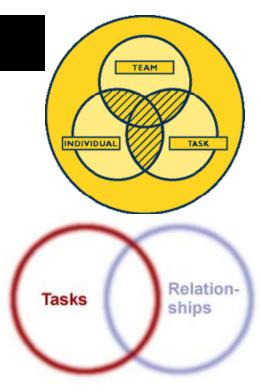
Team

- Team
 - A special kind of group
 - Deliberately formed to commit to a purpose
 - "<u>A team is a small number of people with</u> <u>complementary skills who are committed to a</u> <u>common purpose, set of performance goals, and</u> <u>approach for which they hold themselves mutually</u> <u>accountable</u>" --- Katzenbach & Smith
 - Small group
 - Complementary skills
 - Common Purpose
 - Mutual Accountability



More than just tasks

- Effective Team Output:
 - "task productivity" & "relationship morale"
- Tasks:
 - Directed toward reaching goals
 - Focus on problem solving and decision-making
 - Elements of effective task accomplishment
 - Seeking Information
 - Sharing Information
 - Walking the talks
 - Bringing results to meetings
- Relationship:
 - Building Morale through investment in interpersonal attributes of motivation, confidence, group dynamics
 - Elements of effective relationship and high team morale
 - Listening
 - Seeking agreement
 - Encouraging
 - Compromising
- Key to Success
 - Balance between Task and Relationship





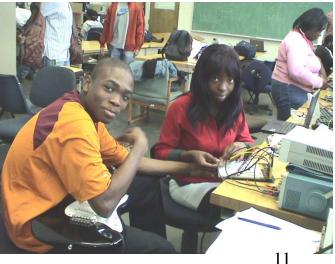
Recap: Team is

• Team is



- Formed by Relationship among team members
- Guided by a vision and set of common goals
- Functioned by roles of members to accomplish tasks
- Run by following agreed-upon rules and procedures





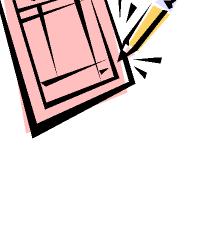
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Team Contract

- Goal
- Expectations
- Rules and Policies
- Commitment
- We will make team contracts later – after teams are formed

| Team Contract for Sector Origin Charm Experiment of Derivation and Computer Registering However Information | | | | | | |
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Team Contract: Goals and Expectations

- Goal Statement
 - Clear, measurable targets that indicates progress toward the purpose
- Expectation Statement
 - Team's expectation on team members in
 - Meeting attendance and on-time arrival
 - Activity participation
 - Communication
 - Productivity
 - Assigned task completion
 - Keep the deadline
 - Etc

Team Contract: Rules and Policies

- Rules and Policies
 - Running of Meetings
 - Who runs the meeting?
 - Cell-phone policy
 - How team decisions and consensus will be reached
 - How meeting absenteeism and tardiness will be handled
 - Policies for missing one meeting or being late
 - Policies for contacting someone to contact
 - Expectations of quality works
 - How to handle late and incomplete work of a member?
 - How to reward team members who exceed expected performance
 - Relationship
 - What each member to bring to each meeting
 - Developing "can do" attitude
 - etc



Running Effective Meetings

- Meeting
 - The main form of information exchange
 - Tasks to be identified and allocated
 - Status on assigned tasks reported
- Meeting Agendas and Minutes
 - Without agenda, meeting is not productive
 - Agenda contents:
 - Purpose
 - Topics
 - Desired outcomes
 - Meeting Minutes



Meeting Etiquette

- Begin the meeting on time
- Review the agenda as the first activity of the meeting
- Focus discussion on facts (not on personal issues)
- Stay on track
- Close the meeting effectively
 - Summarize the decisions made and action items for each member
 - Set the agenda for next meeting
 - Evaluate how the meeting went

Peer Evaluation – Rationale

- Teamwork & Fairness
- Evaluation of each team member's strength and weakness in terms of Tasks and Relationships
- Each member fill out the form individually
- Submit the form individually via email (when required) – at the end of each semester
- The submitted evaluation forms and results are kept confidentially by the advisor and the instructor.
- But will be used in grading



Peer Evaluation

- For each item (we have 10 items) a team is given a sum of money ۲ allocated to \$500 per member.
- For each item, distribute the sum to each member according to his/her performance on the item
- The same scores for all members are not accepted nor counted. \bullet
- P = [Total Amount of Money]/5000 ۲

Is responsible and accessible

Is enthusiastic about the project and energetic

Demonstrates effective leadership, keeps team

focused, and elevates the work of the entire team

2

3

4

5

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8

9

10

| | Write each member's LAST name below (including yours) | | | |
|---|--|--|--|--|
| | | | | |
| Works cooperatively to complete team assignments | | | | |
| Prepares for, arrives on time, and attends meetings | | | | |
| Makes positive contributions to meetings | | | | |
| Work is of high quality and completed on time | | | | |
| Brings a creative spark to the team | | | | |
| Supports and respects other members' efforts and | | | | |
| opinions | | | | |
| Is able to give and receive feedback effectively | | | | |

TOTAL

18

Peer Evaluation

By the way; Project Team Binder

- Record/Keep all your works
 - Individual works, drafts, emails,
 - Datasheets, ordering receipts, etc
 - Proposals (v1, v2, ...vn)
 - Meeting Minutes
 - Presentation
 - Design Requirements
 - Anything and everything the team did and produced
- Put them in to a Binder chronological order
- Submit the binder
- Reminder !!!!
 - Individual project note

